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NALANDA YEAR-BOOK

&

WHO'S WHO IN INDIA

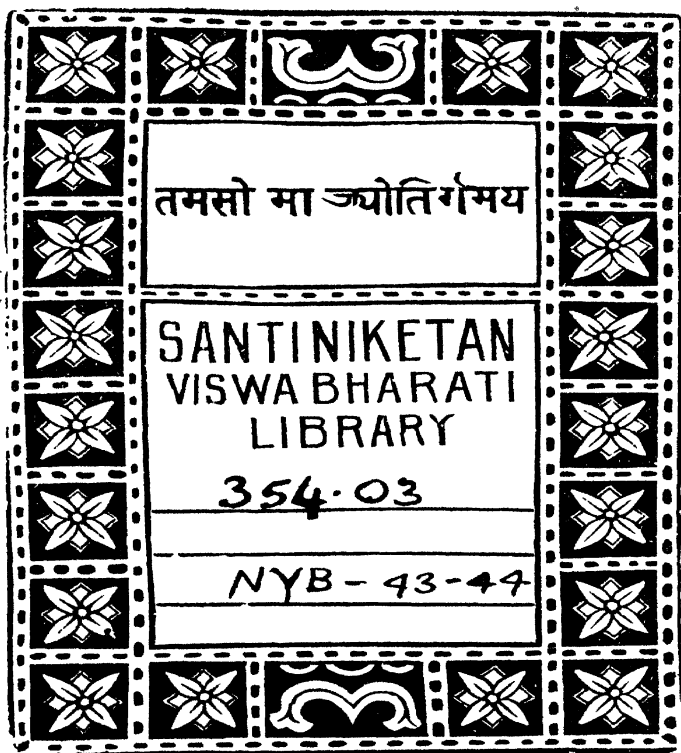
AN INDIAN AND INTERNATIONAL ANNUAL
OF CURRENT STATISTICS, EVENTS
AND PERSONALITIES

1943-44

EDITED BY
TARAPADA DAS GUPTA, M. A.

N A L A N D A P R E S S
159-160, CORNWALLIS ST., CALCUTTA

(THIRD YEAR OF ISSUE)



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PREFACE

In presenting the third issue of Nalanda Year-Book, the Editor has to put in an apology to the readers for the rather unpardonable delay in placing the Year-Book on the market. It may, however, be disclosed that difficulty in getting up-to-date materials was among the principal causes of this delay.

The Editor was this year fortunate in getting more co-operation from authorities of Indian States and Public. Commercial and other bodies in India, and he is particularly grateful to the Consul-General of U. S. A., in Calcutta for his help in securing the life-sketches of a few prominent Americans now in India.

The Editor is aware that the *Who's Who* section is still incomplete though attempts were made to approach prominent persons in India in all departments of life. Incorporation of at least 100 new entries in the *Who's Who* section represents this year's improvement.

Finally the Editor is grateful to his old friend, Mr. Sudhir Kumar Chatterjee, Assessor, Calcutta Improvement Trust Tribunal, who rendered valuable assistance in going through the proofs.

This year, the Editor missed the valued and learned co-operation of Father Lallemand, Editor, *New Review*, Calcutta and had to draw very largely from his invaluable War Comments in *New Review*. All unacknowledged quotations in the War Section are from *New Review* Comments.

The Editor humbly admits that during the past few months events have been moving faster than his pen and regrets to have to mention that the earlier portions of the Year-Book may contain certain misstatements in the *Who's Who in the World* Section and Government Directories.

Calcutta
Sept. 1943

EDITOR

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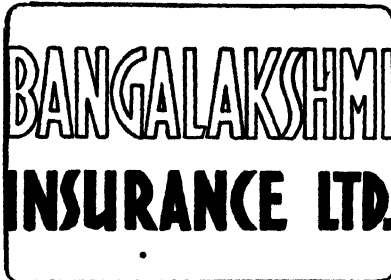
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NALANDA YEAR-BOOK

AND WHO'S WHO IN INDIA

1943-44

CALENDAR FOR 1943-44

JANUARY '48							MAY '48						
Sun	...	3	10	17	24	31	Sun	...	2	9	16	23	30
Mon	...	4	11	18	25	...	Mon	...	3	10	17	24	31
Tues	...	5	12	19	26	...	Tues	...	4	11	18	25	...
Wed	...	6	13	20	27	...	Wed	...	5	12	19	26	...
Thurs	...	7	14	21	28	...	Thurs	...	6	13	20	27	...
Fri	1	8	15	22	29	...	Fri	...	7	14	21	28	...
Satur	2	9	16	23	30	...	Satur	1	8	15	22	29	...
FEBRUARY '48							JUNE '48						
Sun	...	7	14	21	28	...	Sun	...	6	13	20	27	...
Mon	1	8	15	22	...	...	Mon	...	7	14	21	28	...
Tues	2	9	16	23	...	...	Tues	1	8	15	22	29	...
Wed	3	10	17	24	...	...	Wed	2	9	16	23	30	...
Thurs	4	11	18	25	...	...	Thurs	3	10	17	24	...	...
Fri	5	12	19	26	...	...	Fri	4	11	18	25	...	...
Satur	6	13	20	27	...	...	Satur	5	12	19	26	...	...
MARCH '48							JULY '48						
Sun	...	7	14	21	28	...	Sun	...	4	11	18	25	...
Mon	1	8	15	22	29	...	Mon	...	5	12	19	26	...
Tues	2	9	16	23	30	...	Tues	...	6	13	20	27	...
Wed	3	10	17	24	31	...	Wed	...	7	14	21	28	...
Thurs	4	11	18	25	...	...	Thurs	1	8	15	22	29	...
Fri	5	12	19	26	...	...	Fri	2	9	16	23	30	...
Satur	6	13	20	27	...	...	Satur	3	10	17	24	31	...
APRIL '48							AUGUST '48						
Sun	...	4	11	18	25	...	Sun	1	8	15	22	29	...
Mon	...	5	12	19	26	...	Mon	2	9	16	23	30	...
Tues	...	6	13	20	27	...	Tues	3	10	17	24	31	...
Wed	...	7	14	21	28	...	Wed	4	11	18	25	...	...
Thurs	1	8	15	22	29	...	Thurs	5	12	19	26	...	...
Fri	2	9	16	23	30	...	Fri	6	13	20	27	...	...
Satur	3	10	17	24	...	...	Satur	7	14	21	28	...	...

CALENDAR FOR 1943-44

SEPTEMBER '43							FEBRUARY '44						
Sun	...	5	12	19	26	...	Sun	...	6	13	20	27	...
Mon	...	6	13	20	27	...	Mon	...	7	14	21	28	...
Tues	...	7	14	21	28	...	Tues	1	8	15	22	29	...
Wed	1	8	15	22	29	...	Wed	2	9	16	23	...	...
Thurs	2	9	16	23	30	...	Thurs	3	10	17	24	...	...
Fri	3	10	17	24	...	...	Fri	4	11	18	25	...	...
Satur	4	11	18	25	...	...	Satur	5	12	19	26	...	...
OCTOBER '43							MARCH '44						
Sun	...	3	10	17	24	31	Sun	...	5	12	19	26	...
Mon	...	4	11	18	25	...	Mon	...	6	13	20	27	...
Tues	...	5	12	19	26	...	Tues	...	7	14	21	28	...
Wed	...	6	13	20	27	...	Wed	1	8	15	22	29	...
Thurs	...	7	14	21	28	...	Thurs	2	9	16	23	30	...
Fri	1	8	15	22	29	...	Fri	3	10	17	24	31	...
Satur	2	9	16	23	30	...	Satur	4	11	18	25	...	...
NOVEMBER '43							APRIL '44						
Sun	...	7	14	21	28	...	Sun	...	2	9	16	23	30
Mon	1	8	15	22	29	...	Mon	...	3	10	17	24	...
Tues	2	9	16	23	30	...	Tues	...	4	11	18	25	...
Wed	3	10	17	24	...	...	Wed	...	5	12	19	26	...
Thurs	4	11	18	25	...	...	Thurs	...	6	13	20	27	...
Fri	5	12	19	26	...	...	Fri	...	7	14	21	28	...
Satur	6	13	20	27	...	...	Satur	1	8	15	22	29	...
DECEMBER '43							MAY '44						
Sun	...	5	12	19	26	...	Sun	...	7	14	21	28	...
Mon	...	6	13	20	27	...	Mon	1	8	15	22	29	...
Tues	...	7	14	21	28	...	Tues	2	9	16	23	30	...
Wed	1	8	15	22	29	...	Wed	3	10	17	24	31	...
Thurs	2	9	16	23	30	...	Thurs	4	11	18	25	...	...
Fri	3	10	17	24	31	...	Fri	5	12	19	26	...	...
Satur	4	11	18	25	...	...	Satur	6	13	20	27	...	...
JANUARY '44							JUNE '44						
Sun	...	2	9	16	23	30	Sun	...	4	11	18	25	...
Mon	...	3	10	17	24	31	Mon	...	5	12	19	26	...
Tues	...	4	11	18	25	...	Tues	...	6	13	20	27	...
Wed	...	5	12	19	26	...	Wed	...	7	14	21	28	...
Thurs	...	6	13	20	27	...	Thurs	1	8	15	22	29	...
Fri	...	7	14	21	28	...	Fri	2	9	16	23	30	...
Satur	1	8	15	22	29	...	Satur	3	10	17	24	...	...

THE SOLAR SYSTEM

THE SOLAR SYSTEM

The solar system is the name given to the assemblage of heavenly bodies with the sun in the middle of them. The heavenly bodies consist of planets, comets and meteors. The planets, comparatively cool and dense bodies, shine by reflecting the rays of the sun. Most of the major planets have some attendant moon or satellites. The following table gives the names and other details about the planets and the principal comet :

	Distance from Sun (million miles)	Revolution period	Diameter in miles
Mercury	36	88 days	3,000
Venus	67	225 "	7,600
Earth	98	365 "	7,927
Mars	141	2 years	4,200
Jupiter	483	12 "	87,000
Saturn	886	29½ "	78,000
Uranus	1,783	84 "	32,000
Neptune	2,794	165 "	35,000
*Hailey's Comet	55(1)	76 "	—
	3,300(2)		

In 1930, astronomers discovered a new major planet lying beyond the orbit of Neptune. The planet was named Pluto. Jupiter is the largest of all the planets. It weighs more than double of all the others combined ; but the sun's mass exceeds that of all the planets more than 700 times. The sun, therefore, forms a stable centre for the solar system. The comets are extremely diffuse objects. In some cases they are of stupendous size, and though insignificant in mass, they sometimes vastly exceed the sun in bulk. Their orbits are generally highly eccentric. Comets shine partly by reflected light but are also self-luminous. Meteors are extremely small bodies of metallic or stony composition. They become visible only when they enter our atmosphere and are rendered incandescent through friction. They travel largely by shoals or streams, which are believed to represent debris of disintegrated comets. As Neptune, the outermost planet in the solar system, revolves at 2,800 million miles from the sun, the planetary system measures at least 5,600 million miles across. There are many theories about the origin of the solar system, such as the nebular theory. But the theory most in favour at present is that of James Jeans who holds that the Sun was once a part of spiral nebula from which it was thrown off as a giant star millions of millions of years ago. Sometime during these millions of millions of years, the wandering star came so close that the sun, unable to stand the intense tidal forces generated, broke into pieces, and, out of the debris, our earth and moon, as well as all the other planets and their satellites were formed.

The Sun

The sun, the most important of the heavenly bodies, keeps the planets circling round it by its attractive power. The average distance of the sun from the earth is about 92,880,000 miles. But the sun is not exactly in the centre of the earth's orbit, and we are 8,000,000 miles nearer to the sun in January than in July. The sun's diameter is about 864,000 miles, 109 times

(1) Perihelion distance. (2) Aphelion distance. * Motion retrograde.

that of the earth and its bulk is 1,800,000 times that of the earth. Its weight or mass is 332,000 times that of the earth, and the density of the sun is $1\frac{1}{16}$ that of water. Galileo first discovered some dark spots on the sun, which moved across its disc in about a fortnight, from which he correctly inferred that the sun rotates in 25 days. The rotation period, as prolonged observations have shown, varies in different solar latitudes. Two centuries after Galileo, Schwabe discovered that the dark spots on the sun wax and wane in a period that averages 11 years. The luminous exterior which radiates its light is called the *Photosphere*. A thin shell of cooler gases, called the reversing layer, envelops the *Photosphere*. This layer absorbs some light and causes the dark lines in the solar spectrum. Above this is the *Chromosphere* or the sphere of colour, a region 5,000 to 10,000 miles deep, glowing with reddish light. Farthest out of all is the *Corona*, or sun's outer atmosphere. Its spectrum shows the presence of hydrogen and of an unknown gas which has been named *coronium*. The effective temperature of the sun's surface is estimated at 6,000°C or 10,000°F. A minute proportion of the sun's energy may be supplied by meteoric impact and a much larger proportion by its secular contraction and by the radio-active transmutations. But probably a large part comes from sources as yet only dimly surmised. The radiation of the sun and other stars, according to modern scientific theories, is largely derived from an actual conversion of an extremely small fraction of their total mass into energy. The matter itself, it is believed, is totally annihilated in the process. The sun's heat and light are said to be the source of all life and energy in the animal and vegetable kingdoms.

The Planets

"The known major planets are, in the order of their proximity to the Sun, Mercury, Venus, the Earth, Mars, Jupiter, Saturn, Uranus and Neptune. These bodies shine by reflected sunlight. Mercury, Venus, Mars, Jupiter, and Saturn were known to the ancients. Uranus was discovered through observation by Herschel in 1781, while the discovery of Neptune was the result of pure intellectual work, the calculation of Leverrier and Adams (1845). The planetoids or asteroids are small bodies discovered since the beginning of the nineteenth century, mainly between the orbits of Mars and Jupiter; over 1,000 are now known. Mercury, Venus, the Earth, and Mars closely resemble one another in many respects. They are all of moderate size, with great densities, the earth weighing as much as five and half times an equal bulk of water. Jupiter, Saturn, Uranus, and Neptune, on the other hand, are of enormous size, of small densities, Saturn weighing less than an equal bulk of water, and probably possesses a high temperature. The most colossal of the planets is Jupiter; its volume exceeds that of the earth 1,800 times. Saturn is next in size. Mars, Jupiter, Saturn, Uranus, and Neptune, being outside the earth's orbit, are sometimes called the superior planets: Venus and Mercury, being within the earth's orbit, are called inferior planets. The planet which approaches nearest to the earth is Venus, the least distance in round numbers being 25 million miles; the most distant is Pluto, a small body which was discovered in 1980." (See solar system).

The Earth

The earth, our home, is a nearly spherical body which rotates once every 24 hours from west to east round its axis, an imaginary line having the north

and the south poles as its extremities. In the course of a year the earth completes a revolution round the sun. The earth is not exactly a sphere as it is very slightly flattened at the poles. The polar diameter, i.e. the diameter from pole to pole, is shorter than the diameter at right angles to this, i.e. the equatorial diameter. The polar diameter is about 7,900 miles whereas the equatorial diameter is 7,926 miles. The equator—an imaginary line going right across the earth—divides the earth into two halves, the northern and southern hemispheres.

The earth, in common with other planets, moves round the sun, completing the annual revolution in about 365 days and 6 hours. The orbit of the earth is an ellipse and hence the earth is not equally distant from the sun throughout the year. About 3rd January the earth is nearest the sun and about 4th July, the farthest from it. The velocity of the earth is about 18½ miles per second. The earth's daily motion about its axis takes place in 23 hours 56 minutes and 4 seconds of mean time and is the occasion of the alternation of day and night. For all places removed from the equator day and night are equal only twice in the year at the equinoxes, i.e. on 21st June and 22nd December.

The earth possesses magnetism; when a magnetic needle is balanced on a point, it remains at one position only. The earth acts upon all magnets as they act upon each other. The surface of the earth contains about 197,000,000 sq. miles of which about two-sevenths is dry land, the remaining five-sevenths being water. The land is arranged into masses of irregular shape and size, the greatest connected mass being the eastern hemisphere. The total population is between 2,100 and 2,800 millions.

Oceans and Seas—Areas and Depths

Names	Area of basin 1,000 sq. miles		Greatest depth (feet)
Pacific Ocean	68,986	Off Mindanao	35,410
Atlantic "	31,580	Porto Rico Trench	27,962
Indian "	28,350	Sunda Trench	22,968
Arctic "	5,542	...	16,684
Malay Sea	3,187	Kei Trench	21,842
Central American Sea	1,770	Caribbean	20,568
Mediterranean "	1,145	Pola Deep	12,376
Behring "	878	Buldir Trough	18,442
Okhotsk "	582	Kurile Trough	10,554
East China "	480	about	10,500
Hudson Bay "	472	about	1,500
Japan "	405	about	10,200
Andaman "	305	about	11,000
North "	221	Skaggerak	1,998
Baltic "	158	about	1,200
Red "	178	about	7,254

THE WORLD

The surface area of the earth is about 197 million sq. miles of which 55·2 million sq. miles is land and the remainder water. As has already been pointed out under the heading Earth, about $\frac{2}{3}$ of the earth's area is water

and $\frac{2}{7}$ th is land. The earth is divided into five major divisions known as continents. The area and population of these continents are indicated in the Tables at the end of the section. The largest continent in respect of area and population is Asia ; which constitutes about a third of the land area of the earth. The two Americas—North and South—are the next biggest continent in respect of area. Together, they are about $2\frac{1}{4}$ times the area of Europe, which is the smallest continent in area. Africa is about three times the area of Europe. But Europe is the most densely populated continent in the world. Oceania, which can be called a continent only by courtesy, is a number of islands, its area being only 8·2 million sq. miles and population 10·6 millions.

Of the empires of the world, the British Empire is the largest in respect of both area and population : next in importance come U. S. S. R., the Chinese Republic and the Japanese Empire. The U. S. A. though not so large in respect of area or population is, however, the richest country in the world. The estimated total population of the world is about 2,250 millions. The inhabitants of the earth are divided into six ethnological groups known as races : the Mongolians, the Caucasians, the Negroes, the Semitics, the Malaysians and the Red Indians. The Mongolians are yellow in colour, the Caucasians and the Semitics are white in colour, while the Negroes are black. Numerically the Mongolian or the Yellow race is the most prominent while in wealth, power and opulence the White race is the dominant race in the world.

AREA & POPULATION OF THE CONTINENTS

<i>Continents</i>	<i>Area in 1,000 sq. miles</i>	<i>Estimated Population in 1938 in millions</i>
Europe*	2,085	400
Asia*	10,848	1184
U. S. R.	8,176	170
Africa	11,699	155
North America	7,581	142
Central America & Islands	1,077	41
South America	7,047	91
Oceania	8,201	11
World	51,214	2,144

RACES OF MANKIND

<i>Name of the Race</i>	<i>Continent where mainly resident</i>	<i>Estimate in millions</i>
Mongolian	Asia	680
Caucasian	Europe & Asia	725
Negro	Africa	210
Semitic	Africa & Asia	100
Malayan	Oceania, etc.	104
Red Indian &c.	America	30

Principal Empires of the World,

<i>Empire</i>	<i>Area in million sq. m.</i>	<i>Estimated population</i>
British Empire	18·3	500
U. S. S. R.	8	170
French Empire†	4·8	106·8
Chinese Republic†	2·9	422
U. S. A. and dependencies	3·6	187
German Empire†	·22	79·5

* Excluding U. S. S. R.

† Before War.

‡ In August, 1939.

LANGUAGES OF THE WORLD (Mother Tongues)

<i>Language</i>	<i>People in millions</i>	<i>Language</i>	<i>People in millions</i>
Chinese (Mandarin)	... 400	Malay	... 40
English	... 200	Arabic	... 40
Russian	... 130	Polish	... 30
German	... 80	Ukrainian	... 30
Western Hindi	... 72	Bihari	... 28
French	... 70	Telugu	... 26
Spanish	... 75	Korean	... 22
Japanese	... 70	Marathi	... 21
Portuguese	... 50	Tamil	... 21
Italian	... 50	Turkish	... 20
Bengali	... 50		

Area and Population by Continents

Population figures refer to the period before September, 1939.

<i>Country</i>	<i>ASIA</i>		<i>Density</i>
	<i>Area in 1,000 sq. miles.</i>	<i>Population in millions</i>	<i>Per sq. mile</i>
Afghanistan	245	7	26
Burma	262	15	57
Ceylon	25·5	5·3	208
China :	4,457	451	101
China Proper	2,083	441	211
Mongolia	1,360	3	2
Sinkiang	551	3	5
Tibet	463	3	6
Fr. Indo-China			
Annan	58	5·7	97
Cambodia	70	3	44
Cochin-China	24	4·7	192
Kwang Chou-wan	·25	·2	800
Laos	100	1	10
Tonkin	43	8	186
Hong-Kong	·4	1	2,500
INDIA :			
British India	862·7	256·9	297
Native States	712·5	81·3	114
Iran (Persia) *	630	15	23
Iraq	150	3	20
Japan & Dependencies	260·8	98	338
Malaya :			
Straits Settlements	1·3	1·3	966
Federated States	27·5	2	76
Manchuria (Manchukuo)	400	30	75
Nepal	54	5·6	103
Netherlands Indies :			
Java and Madura	51	40	784
Other Provinces	60	13	217

ASIA (Continued)			Density
Country	Area in 1,000 sq. miles	Population in millions	Per sq. mile
Palestine	10	1·8	184
Philippine Is.	115	18	112
Syria & Lebanon	60	2·5	42
Thailand (Siam)	198·2	14·4	78
Turkey in Asia	285·2	14·9	52
U. S. S. R. (Asia)	6,750	54	8

EUROPE

Belgium	12	8·3	702
Bulgaria	40	6	150
Denmark	15	3·5	287
Eire	27	3	112
England & Wales	58	41	708
Estonia	19	1·1	62
Finland	150	3·7	24
France	218	42	197
Germany (1989)	226	78·5	347
Germany (1988)	181	65·3	360
Greece	50	6	132
Hungary	41	10	246
Italy	131	45	343
Albania	11	1	90
Latvia	25	2	80
Lithuania	19	2·3	118
Luxemburg	1	·3	800
Netherlands	14	8·6	618
Northern Ireland	5	1·3	244
Norway	125	3	24
Portugal	85	7·4	214
Roumania	123	19·6	159
Scotland	30	4·8	159
Spain	200	24	120
Sweden	173	6·2	35
Switzerland	16	4·1	257
Turkey in Europe	9	2	215
Yugoslavia	94	14	149
U. S. S. R. (Europe)	2,587	125·4	48

SOUTH AMERICA

Argentina	1,132	12·8	11
Bolivia	600	8	5
Brazil	3,300	40	12
Chile	290	4·3	15
Colombia	462	8	17
Ecuador	276	2	7
Paraguay	62	·8	18
Peru	358	5·5	15
Uruguay	72·2	2	27
Venezuela	363·7	3	8

NORTH AMERICA			Density
Country	Area in 1,000 sq. miles	Population in millions	Per sq. mile
Canada	8,100	10·4	2·
Newfoundland	48	·3	6-
United State	3,788	137	36

CENTRAL AMERICA AND WEST INDIES

Jamaica	4·4	1·2	259·
Costa Rica	28	·5	22
Cuba	44	3·7	80·
Dominion Republic	19	1	50·
Guatemala	43	3	70
Haiti	10	2·3	229
Honduras	44	·8	19
Mexico	769	16·6	21
Nicaragua	52	·8	14
Panama	32	·4	13
Salvador	18	1·4	109·

OCEANIA

Australia	3,000	6·6	2
New Zealand	104	1·6	15

AFRICA

Abyssinia (Ethiopia)	350	7	20
Algeria	222	7	31
Belgian Congo	910	10	11
Cameroon, British	34	·8	21
Cameroon, French	143	2·6	18
Egypt	363	16	44
Eritrea	64	·6	10
French W. Africa	1,830	15·3	8
Gold Coast	92	3·3	35
Kenya	225	3·1	14
Liberia	48	2	46
Madagascar, etc.	228	4	17
Mauritius etc.	·72	·4	555
Libya	810	1	1
French Zone	162	6·4	33
Spanish Zone	11	·8	68
Nigeria	373	20	54
Nyasaland	48	1·6	33
Rhodesia, Northern	288	1·4	5
Rhodesia, Southern	150	1·4	9
Sierra Leone	28	1·8	64
Somaliland, British	68	·3	5
Somaliland, Italian	220	1	5
Sudan	1,000	6	6
Uganda	94	8·6	38
Union of South Africa	473	9·6	20
S. W. Africa	318	·4	1

BIRTH AND DEATH RATES PER 1,000 INHABITANTS (1940)

<i>Country</i>	<i>Birth rate</i>	<i>Death rate</i>	<i>Country</i>	<i>Birth rate</i>	<i>Death rate</i>
Egypt	43.5 ('38)	26.4 ('38)	Greece	23.5 ('39)	13 ('39)
South Africa	25.3 ('39)	9.4 ('39)	Hungary	19.9	14.4
Canada	21.4	9.7	Ireland	19.1	14.2
U. S. A.	17.9	10.8	Italy	23.4	13.6
Mexico	43.5	23.3	Norway	16.8	10.7
Argentina	23.9	11.3	Netherlands	20.8	9.9
Chile	33.4	21.6	Poland	24.5 ('38)	13.8 ('38)
Ceylon	35.8	20.6	Roumania	26.5	19.2
India	22 ('39)	21.8 ('39)	United Kingdom	15	13.9
Burma	32.3 ('39)	22.9 ('39)	Sweden	15	11.4
Japan	27 ('38)	17.6 ('38)	Switzerland	15.2	12.1
Germany	20	12.7	Czecho-Slovakia	16.8 ('38)	12.8 ('38)
Belgium	13.4	16.1	Yugoslavia	25.9	15 ('39)
Bulgaria	22.2	13.4	Australia	18	9.7
Denmark	18.3	10.4	New Zealand	22.6	9.7
France	14.6 ('39)	15.3 ('39)			

Note. Birth rates in Egypt, Mexico and Ceylon are the highest and the corresponding death rates are also high.

INFANT MORTALITY (1940)

(Deaths under one year per 1,000 living (births))

<i>Country</i>	<i>Death rate per 1,000</i>	<i>Country</i>	<i>Death rate per 1,000</i>
Egypt	198 ('39)	Hungary	134
South Africa	49 ('39)	Ireland	65
Canada	56	Italy	104
U. S. A.	46	Norway	37 ('39)
Mexico	126	Netherlands	39
Argentina	90	Poland	140 ('38)
Chile	217	Portugal	126
Ceylon	149	Roumania	139
British India	167 ('38)	England and Wales	55
Burma	204 ('39)	Scotland	78
Japan	114 ('38)	Northern Ireland	86
Germany	68	Sweden	39
Bulgaria	136	Switzerland	46
Belgium	89	Czecho-Slovakia	92
Denmark	50	Yugoslavia	144 ('38)
France	91	Australia	39
Greece	99 ('38)	New Zealand	37

EXPECTATION OF LIFE

The average number of years still remaining to a person of given age is known as
the *expectation of life* or the *mean after-lifetime*.

Country	Year of computation	Sex	0	1	10	20	30	40	50	60	70
Egypt	1917-27	M.	91	...	98.06	92.92	27.80	22.82	18.07	18.05	9.68
		F.	96	...	41.64	35.77	30.04	24.53	19.86	14.58	10.27
South Africa	1920-22	M.	56.61	59.94	54.02	45.26	37.08	29.16	21.86	15.14	9.53
		F.	59.18	62.88	57.00	48.15	39.93	31.89	23.97	16.56	10.85
Canada	1930-32	M.	58.96	64.46	57.65	48.74	40.24	31.60	23.33	15.93	9.71
		F.	60.78	65.22	58.67	49.66	41.28	32.92	24.69	17.05	10.53
U. S. A.—Whites	1929-31	M.	47.55	51.08	44.27	35.95	29.45	23.86	17.92	13.15	8.78
		F.	49.51	52.33	45.88	37.22	30.67	24.80	18.60	14.22	10.98
—Negroes	1936	M.	49.41	52.75	45.50	40.95	29.98	23.78	15.52	13.39	9.12
		F.	52.72	55.86	47.95	39.54	32.51	25.78	19.55	14.03	10.29
INDIA	1931	M.	26.91	34.68	36.33	29.57	23.60	18.60	14.31	10.25	6.85
		F.	26.56	33.48	33.61	27.08	22.23	18.23	14.65	10.81	6.74
Japan	1926-30	M.	44.82	51.06	47.93	40.18	33.43	25.74	18.49	12.28	7.43
		F.	46.54	52.10	49.18	42.12	35.93	29.01	21.67	14.68	8.88
Germany	1932-34	M.	59.86	64.43	57.28	48.16	39.47	30.83	22.54	15.11	9.05
		F.	62.81	66.41	59.09	49.81	41.03	32.93	23.85	16.07	2.58
Austria	1930-33	M.	54.47	60.55	54.05	45.18	36.86	28.65	20.96	14.15	8.59
		F.	58.53	63.46	56.96	48.08	39.59	31.18	22.91	15.42	9.21
Belgium	1928-32	M.	56.02	61.25	55.88	46.04	37.73	29.48	21.61	14.53	8.69
		F.	59.79	63.84	57.25	48.43	40.17	31.77	23.55	15.98	9.60
France	1928-33	M.	54.80	58.63	52.06	43.80	35.42	27.63	20.33	13.76	6.29
		F.	59.02	62.53	55.95	47.40	39.54	31.87	23.39	15.94	9.58

EXPECTATION OF LIFE

The average number of years still remaining to a person of given age is known as *the expectation of life or the mean after-lifetime.*

Country	Year of computation	Sex	0	1	10	20	30	40	50	60	70
Ireland	1-25-27	M.	57.87	61.15	55.20	46.40	38.39	30.48	22.67	15.75	10.02
		F.	57.98	60.83	54.92	46.86	38.60	30.88	28.19	16.86	10.72
Italy	1980-82	M.	58.76	59.71	55.46	46.75	38.58	30.39	22.45	15.16	9.05
		F.	56.00	61.32	57.15	48.49	40.41	32.14	23.89	16.13	9.61
Holland	1910-20	M.	55.1	60.3	55.4	46.7	38.3	30.5	22.4	15.1	9.1
		F.	57.1	61.1	56.0	47.5	39.5	31.4	23.4	15.9	9.6
United Kingdom	1987	M.	60.18	63.88	56.25	47.10	38.82	29.57	21.40	14.32	8.58
		F.	64.40	66.79	59.59	50.40	41.60	32.78	24.28	16.48	9.97
Northern Ireland	1935-27	M.	55.42	59.98	54.42	45.68	37.46	29.28	21.55	14.79	9.86
		F.	56.11	59.48	58.73	45.22	37.42	22.65	22.18	15.55	10.20
Sweden	1981-85	M.	63.22	65.88	58.37	49.44	41.07	32.50	24.21	16.59	10.12
		F.	65.88	67.17	59.49	50.55	42.15	33.54	25.14	17.29	10.51
Czecho-Slovakia	1929-32	M.	51.92	59.90	54.04	45.29	37.15	28.96	21.24	14.35	8.67
		F.	55.13	61.96	56.10	47.40	39.24	30.98	22.83	15.35	9.24
Russia	1926-27	M.	41.93	51.40	51.65	48.24	35.65	28.02	20.99	14.35	9.65
		F.	46.79	55.46	55.72	47.96	37.75	32.12	24.41	17.07	10.96
Australia	1932-38	M.	63.48	65.49	58.02	48.81	39.90	31.11	22.83	15.57	9.60
		F.	67.14	68.67	61.02	51.67	42.77	34.04	25.58	17.74	10.98
New Zealand	1931	M.	65.04	66.61	58.75	49.61	40.78	32.07	23.78	16.32	9.87
		F.	67.88	68.64	60.67	51.28	42.45	33.80	25.24	17.90	10.68

Note. The figures in the first column, i.e. expectation of life at age 0, represent the average longevity in the countries enumerated above. New-Zealanders, Australians and the Swedes enjoy the maximum longevity.

PRODUCTION OF CERTAIN COMMODITIES IN CERTAIN COUNTRIES

WHEAT (1940)

<i>Country</i>	<i>Estimated Production million quintals</i>	<i>Country</i>	<i>Estimated Production million quintals</i>
Egypt	18'6	Germany	56 (89-40)
Tunis	3	Bulgaria	16'8
South Africa	4'6	France†	52'5
Canada	150	Hungary	20'6
United States	222	Spain	21'6
Argentina	74	Italy	71
China (estimate)	190	Poland	23 (89-40)
Manchuria	9	Roumania	18'7
Korea	8	United Kingdom	17 (89-40)
India	109	Turkey	42
Japan	18	Yugoslavia	19
U. S. S. R.	409 ('88-89)	Australia	22

Note. The total estimated World production of wheat in 1940-41 is 1,086 million quintals excluding that of U. S. S. R. U. S. S. R., U. S. A. and India occupy the first, second and third positions respectively, as producers of wheat. No reliable figures about China's wheat production are available.

POTATO (1989-40)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
Canada	16	Hungary†	27
United States	98	Ireland	30
Korea	8 ('87/88)	Italy	29 ('88/89)
Japan	18 ('88/89)	Latvia	16
U. S. S. R.	656 ('87/88)	Lithuania	21
Germany & Austria	568	Poland	845 ('88/89)
Belgium	88	Roumania	20
Denmark	11	United Kingdom	52 ('88/89)
Spain*	48 ('88/84)	Sweeden	19
Finland	15	Czecho-Slovakia	98 ('88/89)
France	178 ('88/89)	Yugoslavia	17 ('88/89)

Note. The total estimated world production of potatoes excluding that of U.S.S.R. was 1,664 million quintals in 1989-40. Latest figures of U.S.S.R. production are not available. It appears that the Soviet Republic is the biggest producer of potatoes, the next important positions being occupied by Germany, Poland, France and U. S. A.

* Average annual production. † Estimated production.

BARLEY (1940)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
Algeria	3.4	Germany & Austria	43 ('39/40)
French Morocco	21 ('39/40)	Denmark	12 ('39/40)
Canada	22.6	France	13 ('38/39)
United States	67	Poland	15
China (estimate)	64 ('37/38)	United Kingdom	9 ('39/40)
India	21 ('38/39)	Czecho-Slovakia	13 ('38/39)
Iraq (estimate)	11 ('38/39)	Turkey	23 ('39/40)
Iran (do)	7 ('37/38)	U. S. S. R.†	82 ('38/39)
Japan	18		

Note. The total estimated world production of barley in 1940 was about 378 million quintals excluding U. S. S. R. production, the latest figures of which are not available U. S. S. R. occupies the first position in production of barley, the next positions are occupied by U. S. A., Germany, Turkey, Canada and India respectively.

RICE (1940-41)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
United States	11	Burma	82
China (estimate)	467	Indo-China	71 ('38/39)
Korea	40	Japan	113
Formosa	17.5	Siam (Thailand)	51
India	938	Philippines	21

Note. The figures of Chinese production of rice given above are mere estimates. In the absence of reliable figures for China, it may be said that India contributes the largest quantity of rice to world production.

CANE SUGAR (1940-41)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
Mauritius	3.2	Peru†	4
U. S. A.	3	Formosa†	8
Cuba†	27	INDIA†	34.5
Dominican Republic†	3.4	Java†	16
Mexico†	3.1	Philippines	9.3
Porto Rico†	7.8	Australia†	7.7
Argentina†	5.3	Hawaii†	8.2
Brazil†	12	Spain	13

Note. The total estimated world production of cane sugar in 1940-41 was about 178 million quintals. In production of cane sugar India, Cuba and Java occupy the first, second and third positions respectively.

† Estimated production.

BEET SUGAR (1940-41)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
United States	15.6	Italy	5.5
U. S. S. R.†	21.5	Poland†	3.4
Germany & Austria	23	United Kingdom	4.7
France†	4.5	Czecho-Slovakia	4.6

Note. Estimated world production of beet sugar in 1940-41 is 104 million quintals, the largest contributors being U. S. S. R., Germany and U. S. A.

MAIZE (1939-40)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
Fr. W. Africa†	5 ('37/38)	India	21 ('37/38)
Egypt	15	Nether Indies	20 ('38/39)
Union of S. Africa	18	Indo-China	6 ('37/38)
United States	665	Philippines	5 ('38/39)
Mexico	17 ('38/39)	U. S. S. R.	27 ('38/39)
Argentina	106	Hungary†	23
Brazil	60 ('37/38)	Italy	29 ('38/39)
China (estimate)	61 ('36/37)	Roumania	60
Manchuria	30	Yugoslavia	40

Note. The estimated world production of maize in 1939-40 is 1,225 million quintals. The first four largest producers in order of quantitative merit are U. S. A., Argentina, Roumania and Yugoslavia.

COFFEE (1940-41)

<i>Country</i>	<i>Production or Exports 1,000 quintals</i>	<i>Country</i>	<i>Production or Exports 1,000 quintals</i>
Angola	200	Guatemala	540
Belgian Congo	240	Haiti (estimate)	300
Ethiopia (estimate)	150 ('38/39)	Mexico	451
Kenya	160	Nicaragua (estimate)	130
Madagascar	300	Salvador	650
Uganda (estimate)	177	Brazil	12500
Tanganyika (estimate)	190	Columbia	2700
Costa Rica (estimate)	230	Venezuela	570
Cuba	310	Nether Indies	1100
Dominican Republic	220		

Note. Estimated world production in 1940-41 was 22 million quintals. South America produces more than 72% of world's coffee.

† Estimated production.

COCOA (RAW) [1989-40]

<i>Country</i>	<i>Production or Exports 1,000 quintals</i>	<i>Country</i>	<i>Production or Exports 1,000 quintals</i>
Gold Coast†	2,890	Nigeria	1,175 ('88/89)
Ivory Coast†	527 ('87/88)	Brazil	1,861 ('87/88)

Note. Estimated world production in 1988/89 was 7.2 million quintals. Though the production is spread all over the continents the chief producers of cocoa are the countries enumerated above.

TEA (1940)

<i>Country</i>	<i>Production or Exports 1,000 quintals</i>
Ceylon (estimate)	1,120
INDIA	1,748
Netherlands Indies	819
Japan	575 ('39)
China (estimate)	345

Note. Estimated world production of tea in 1948 is about 5 million quintals, India producing 1.7 million quintals. The first three positions are occupied by India, Ceylon and Dutch East Indies.

TOBACCO (1989-40)

<i>Country</i>	<i>Production 1,000 quintals</i>	<i>Country</i>	<i>Production 1,000 quintals</i>
United States	8,027	Germany	385 ('88/89)
China (estimated)	7,783 ('87/88)	Greece	550
INDIA	4,958	France	336
Burma	431 ('88/89)	Italy	421 ('88/89)
Nether Indies	519 ('88/89)	Bulgaria	353
Japan	820	Turkey	565

Note. Estimated world production of tobacco in 1989-40 was 25 million quintals. U. S. A. and India producing about 8 million quintals and 4.9 million quintals respectively occupy the first and the second positions.

MEAT (1940)

<i>Country</i>	<i>Estimated production in 1,000 metric tons</i>	<i>Country</i>	<i>Estimated production in 1,000 metric tons</i>
South Africa	226.7 ('88)	Belgium	242.7
Canada	779	Denmark	874.3
U. S. A.	8,607	Netherlands	888.1 ('39)
Mexico	219 ('89)	Italy	894.6 ('89)
Argentina	9,091	France	1,481 ('88)
Brazil	1,089	Poland	800 ('87)
Uruguay	249	United Kingdom	1,860.2 ('87)
U. S. S. R.	8,808 ('88)	Australia	948
Germany	8,676.8 ('88)	New Zealand	565

† Estimated production.

BUTTER (1940)

<i>Country</i>	<i>Production in 1,000 metric tons</i>	<i>Country</i>	<i>Production in 1,000 metric tons</i>
South Africa	22.8 ('88)	Denmark	168
Canada	167.4	Netherlands	108.4 ('89)
U. S. A.	1,017.5	United Kingdom	47 ('88)
U. S. S. R.*	197.7	Australia	197
Germany	507.8 ('88)	New Zealand*	160

MARGARINE (1989)

<i>Country</i>	<i>Production in 1,000 metric tons</i>
Germany	437.6 ('88)
United Kingdom	211.6 ('88)
U. S. A.	145.3

Note. World production in 1988 was 1,270,000 metric tons.

COPRA (1989)

<i>Country</i>	<i>Exports in 1,000 quintals</i>	<i>Country</i>	<i>Exports in 1,000 quintals</i>
Mozambique	549	Ceylon	1,550 ('89)
Zanzibar	94	New Guinea	744 ('88)
Netherlands Indies	2,868	Fiji Islands	340 ('88)
Philippines	5,705		

Note. Estimated total world exports in 1989 was more than 18 million quintals.

SESAMUM (1940-41)

<i>Country</i>	<i>Production or Exports in 1,000 quintals</i>	<i>Country</i>	<i>Production or Exports in 1,000 quintals</i>
Africa	750	India	4,082
Mexico	348	Turkey	420
China (Estimate)	8,650		

Note. Estimated world production in 1940-41 was 7 million quintals.

COTTON-SEED (1940-41)

<i>Country</i>	<i>Production million quintals</i>	<i>Country</i>	<i>Production million quintals</i>
Egypt	7.4	Brazil	11.5
Uganda (estimate)	1.5	China†	11.8
Anglo-Egp. Sudan	1	India	24.5
U. S. A.	50.7	U. S. S. R.	17.2
Mexico	1.2		

Note. Estimated world production in 1940-41 was about 186 million quintals.

* Creamery butter.

LINSEED [1939-40]

<i>Country</i>	<i>Population in millions quintals</i>
United States	7.9
Argentina	14.6
INDIA	4.7
U. S. S. R.	7.5 ('38/39)

Note. The estimated world production in 1940-41 was about 32 million quintals excluding U. S. S. R. production.

GROUND-NUTS (1939-40)

<i>Country</i>	<i>Production or Exports 1,000 quintals</i>	<i>Country</i>	<i>Production or Exports 1,000 quintals</i>
French West Africa	7,670 ('38/39)	Manchuria	1,206 ('38/39)
Nigeria (estimate)	2,590	INDIA	30,502
U. S. A.	5,350	BURMA	1,829 ('38/39)
China (estimate)	26,311 ('36/37)	Java and Madura	2,703

Note. Estimated world production of ground-nuts in 1938-39 was 62 million quintals, of which India's share was 32 million quintals. China is the second largest producer of ground-nuts. But latest figures of Chinese production are not available.

SOYA BEANS (1940)

<i>Country</i>	<i>Production 1,000 quintals</i>	<i>Country</i>	<i>Production 1,000 quintals</i>
China (estimate)	59,110 ('36)	Japan	3,483 ('38)
Manchuria	33,270	Java, Madura	3,067
Korea	3,069 ('38)		

OLIVE OIL (1940-41)

<i>Country</i>	<i>Production 1,000 quintals</i>	<i>Country</i>	<i>Production 1,000 quintals</i>
Tunis	270	Italy	1,560
Spain	2,841	Turkey	300
Greece	992	Portugal	345

Note. Estimated world production of olive oil in 1940-41 was 6.7 million quintals. Spain and Italy together contribute above 50% of world production.

RUBBER (1940)

<i>Country</i>	<i>Shipments 1,000 metric tons</i>	<i>Country</i>	<i>Shipments 1,000 metric tons</i>
Caribbean (Mexico)	4	Netherlands Indies	545
South America	18	French Indo-China	65
N, Borneo and Sarawak	54	British Malaya	549
Ceylon	90	Siam (Thailand)	45
INDIA	12	Oceania and Philippines†	2
BURMA	10		

Note. Estimated world production in 1940 was 1.4 million metric tons. British Malaya and Dutch East Indies occupy the first and the second positions respectively.

COTTON (1940-41)

<i>Country</i>	<i>Production 1,000 quintals</i>	<i>Country</i>	<i>Production 1,000 quintals</i>
Egypt	4,120	Brazil	5,469
Uganda	596	China†	4,940
Anglo-Egyptian Sudan	496	INDIA	10,496
U. S. A.	27,245	U. S. S. R.	8,000

Note. Estimated world production in 1940-41 was 66.5 million quintals. U. S. A. producing nearly 42% of the world production. India is the second largest producer of cotton, but she is a bad second as she contributes only about 16% of world production.

JUTE (1940)

<i>Country</i>	<i>Production 1,000 quintals</i>
INDIA	22,800
Nepal	45 ('89)

Note. Jute production is almost a monopoly of India.

WOOL (1940)

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
Union of S. Africa†	125	Spain†	38 ('89)
United States	218	France	28 ('89)
Argentina	180.1	Italy†	15.5 ('89)
Uruguay	55.3 ('89)	United Kingdom	50 ('88)
China†	55.0	Yugoslavia†	15.8
INDIA†	45 ('89)	Australia†	494.4
Germany	20.5 ('89)	New Zealand	150.4

Note. Estimated world production in 1939 is about 1.9 million metric tons, Australia, U. S. A., Argentina and U. S. S. R. occupying the first four positions respectively.

† Estimated production.

RAW SILK (1940)

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
INDIA	52 ('89)	U. S. S. R.†	1,700
Japan	45,000	Italy†	8,500
China (estimate)	8,768		

Note. With the increasing popularity of artificial silk, cultivation of raw silk has diminished all the world over, the world's estimated production in 1940 being 57 million metric tons. Japan is the largest producer, contributing about 75% of world production.

PAPER AND PAPER BOARDS (1938)

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
Canada	8,942 ('37)	Finland	762 ('37)
United States	11,645 ('37)	Italy	479
INDIA	60	Norway	465 ('37)
Japan	814 ('36)	Holland	535 ('37)
U. S. S. R.	842 ('36)	Poland	247
Germany	3,536	Sweden	979 ('37)
Austria	282	Czecho-Slovakia	817 ('37)
Belgium	235 ('37)		

Note. U. S. A. is the biggest producer of paper and paste-board. World production in 1938 was 29.5 million metric tons.

CEMENT (1940)

<i>Country</i>	<i>Production</i> <i>million metric tons</i>	<i>Country</i>	<i>Production</i> <i>million metric tons</i>
United States	22.6	Germany & Saar	15.6 ('38)
INDIA	1 ('37)	France	4.3 ('37)
Japan & Colonies	4.8	Italy	4.6 ('38)
U. S. S. R.	5.3	Belgium	2.6 ('39)
		United Kingdom	8 ('38)

Note. Estimated world production in 1938 was 84 million metric tons.

WINE (1940-41)

<i>Country</i>	<i>Production</i> <i>million hecto-litre</i>	<i>Country</i>	<i>Production</i> <i>million hecto-litre</i>
Algeria	14	France	45
United States†	7 ('89-40)	Greece	4.3 (89-40)
Argentina†	7	Italy	42
Chile†	2.8 (38-9)	Portugal	5.2
Germany	2.3 (38-9)	Roumania†	11 ('89-40)
Spain	14.2	Yugoslavia†	5 ('89-40)

† Estimated production.

CRUDE PETROLEUM (1940)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
Egypt	929	Netherlands Indies	7,989
Canada	1,082	Iraq	3,488
United States	1,82,657	Iran	10,426
Mexico	6,721	Japan & Formosa	877
Trinidad	2,844	U. S. S. R.	29,700
Argentina	2,871	Albania	208 ('89)
Columbia	3,686	Germany	647 ('89)
Peru	1,776	Austria	110 ('89)
Venezuela	27,443	France	70 ('89)
Saudi Arabia	727	Hungary	144 ('89)
Bahrein Island	965	Italy	12 ('89)
British Borneo	982	Poland	528 ('89)
INDIA	325	Roumania	5,764
BURMA	1,088	Czecho-Slovakia	24

Note. Estimated world production in 1940 was 294 million metric tons, of which U. S. A. produced 182 million metric tons.

ALCOHOL (1889)†

<i>Country</i>	<i>Production 1000 metric tons</i>	<i>Country</i>	<i>Production 1000 metric tons</i>
U. S. A.	6,628	France	3,556 ('87)
Canada	264 ('87)	Greece	214 ('88)
Argentina	300 ('88)	Hungary	490
Brazil	900	Netherlands	278 ('88)
INDIA†	294	Poland	860 ('88)
Japan†	195 ('88)	Roumania	319 ('88)
Philippines	506 ('88)	United Kingdom	2,196 ('88)
Germany & Saar	3,659 ('87)	Sweden	484
Austria	217 ('87)	Czecho-Slovakia	1,005 ('88)
Belgium	231		

BENZOL (1939)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
U. S. A.	341	Italy	17 ('88)
Japan	31 ('86)	Netherlands	35 ('88)
U. S. S. R.	31 ('80)	Poland†	37 ('88)
Germany & Saar	560 ('88)	United Kingdom	219 ('88)
Belgium	55 ('88)		

† Estimated production.

SALT (1938)

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
Canada	424	France	2,337 ('87)
United States	7,281	Italy	1,555 ('87)
China	4,000 ('87)	Poland	642
INDIA	1,878 ('87)	United Kingdom	3,138 ('87)
Germany	4,561 ('87)		

Note. World production in 1937 was 37 million metric tons.

COAL (1940)

<i>Country</i>	<i>Estimated Production</i> <i>million metric tons</i>	<i>Country</i>	<i>Estimated Production</i> <i>million metric tons</i>
S. Africa	17.5	Japan	53 ('88)
Canada	12.6	Sakhalin	2.5 ('87)
United States	456.5	Germany, Saar & Austria	186 ('88)
China (Estimate)	17.8	Belgium	25.6
Manchuria	11	France	46 ('88)
Korea	2.3 ('87)	Holland	18 ('89)
Formosa	1.7 ('86)	Poland	38 ('88)
INDIA	26.5	United Kingdom	231 ('88)
Netherl-Indies	2	U. S. S. R.	147
Indo-China	2.5		

Note. World production in 1938 was 1,292 million metric tons. U. S. A., United Kingdom, Germany and U. S. S. R. respectively occupying the first four places of honour in production of coal.

BAUXITE (1940)†

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
United States	442	U. S. S. R.†	250 ('88)
British Guiana (E)	504	Germany	98 ('87)
Surinam	615.4	France	688 ('88)
Malaya	94 ('89)	Hungary	436
INDIA	9.1 ('89)	Italy	361 ('88)
Netherlands Indies	275	Yugoslavia	282.5

ALUMINIUM (1940)†

<i>Country</i>	<i>Estimated smelter</i> <i>production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Estimated smelter</i> <i>production</i> <i>1,000 metric tons</i>
United States	187	France	50
Canada	110	Italy	40
Japan	85	Norway	15
U. S. S. R.	55	United Kingdom	85
Germany, Saar & Austria	240	Switzerland	28

Note. Estimated world production in 1940 was 802,000 metric tons.

† Estimated production. E—Estimate.

IRON ORE (1940)†

<i>Country</i>	<i>Estimated Production million tons</i>	<i>Country</i>	<i>Estimated Production million tons</i>
United States	38	France	10.1 ('38)
Manchuria	1.3 ('36)	Luxemburg	1.5 ('36)
INDIA	2 ('39)	Norway	1 "
Malaya	1.3 ('39)	United Kingdom	3.6 "
Japan	.5 ('36)	Sweden	8.4 "
Germany	3.1 ('38)	Australia	1.7 ('39)
Spain	1.4	U. S. S. R.†	14

Note. Estimated world production in 1939 was 88 million metric tons. U. S. A., the largest producer of iron ore, produced about 38 million metric tons which was more than 43% of world production in that year. The next three positions are occupied by U. S. S. R., France and Sweden respectively.

BIG IRON AND FERRO ALLOYS (1940)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
United States	42,999	Luxemburg	1,778 ('39)
Manchuria	796	Poland	968 ('38)
INDIA	1,785 ('39)	United Kingdom	6,870 "
Japan†	2,635 ('37)	Sweden	697 ('39)
Germany, Saar & Austria	18,595 ('38)	Czecho-Slovakia	1,234 ('39)
Belgium	1,761	Australia	1,160 ('39)
France	6,049 ('88)	U. S. S. R.	14,950

Note. Estimated world production in 1939 was 102 million metric tons. U. S. A., Germany, U. S. S. R. and the United Kingdom occupying respectively the first four positions in the production of pig-iron.

STEEL (1940)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
United States	60,765	France	6,174 ('38)
INDIA	1,035 ('39)	Italy	2,321 ('39)
Japan	5,811 ('37)	Luxemburg	1,829 ('39)
U. S. S. R.	19,100	Poland	1,552 ('38)
Germany, Saar & Austria	23,208 ('38)	United Kingdom	10,565 "
Belgium	1,896	Czecho-Slovakia	1,761 "
		Australia	1,224 ('39)

Note. Estimated world production in 1939 was 186 million metric tons, U. S. A. Germany, U. S. S. R. and the United Kingdom occupying respectively the first four positions of honour.

† Estimated production.

COPPER ORE (1940)

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
Belgian Congo	122.6 ('89)	Spain†	80 ('88)
Northern Rhodesia	254 ('88)	Norway	20 ('89)
United States	796.6	Yugoslavia	48
Chile	353.8	Australia	19.8 ('89)
Japan	72.6	U. S. S. R.	107 ('89)
Germany	80 ('89)		

Note. Estimated world production in 1939 was 2.2 million metric tons. U. S. A., Chile and Northern Rhodesia occupy respectively the first three positions of honour as producers.

LEAD ORE (Metal Content) (1939)†

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
Canada	176	Spain†	42 ('40)
United States	415 ('40)	Italy	40 ('88)
Burma	89	United Kingdom	30 ('88)
Germany & Austria	96 ('88)	Yugoslavia	69

Note. World production in 1938 was 1.8 million metric tons.

TIN (1939)

<i>Country</i>	<i>Smelter Production</i> <i>1,000 metric tons</i>
Malaya	130 ('40)
Holland	15
United Kingdom	38 ('89)

Note. World production in 1939 was 178,000 metric tons.

GOLD (1940)

<i>Country</i>	<i>Estimated Production</i> <i>1,000 kilogrammes</i>
Australia	51
Canada	165
U. S. A.	150
Gold Coast	28
INDIA	9
South Africa	437
Southern Rhodesia	26
Japan	26 ('89)
Korea	88 ('88)
Mexico	27 ('89)
Philippines	84

Note. Estimated world production of gold in 1940 was 1,260,000 kilogrammes including U. S. S. R. production. South Africa is the largest producer of gold. Her contribution is about 33½% of world production. Reliable figures of U. S. S. R. production are not available. In 1937, the U. S. S. R. production was estimated between 136,000 and 188,000 kilogrammes.

† Estimated production.

<i>Country</i>	<i>Production metric tons</i>	<i>Country</i>	<i>Production metric tons</i>
Canada	741	BURMA	192 ('89)
U. S. A.	2,194	Japan†	815 ('88)
Mexico	2,570	Germany	211 ('87)
Peru	619	Australia	484 ('88)
Korea	88 ('87)	U. S. S. R.†	218 ('88)

Note. Estimated world production in 1940 was 8,800 metric tons. The first three largest producers of silver are Mexico, U. S. A. and Canada.

QUICK SILVER (1989)†

<i>Country</i>		<i>Country</i>	<i>Production in metric tons</i>
United States	1,802
Mexico	402
Spain	1,842 ('89)
Italy	2,815 ('89)

Note. Estimated world production in 1989 was 5,400 metric tons only, Spain and Italy together accounting for about 80% of the world production.

SULPHUR (1989)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
United States	2,125	Japan	198 ('88)
Chile	27	Spain A (E)	55
Netherland Indies	16 ('88)	" B	11
		Italy	897 ('88)

Note. World production in 1988 was 8.1 million metric tons, U. S. A. alone accounting for about 70% of world production.

SULPHURIC ACID (1989)†

<i>Country</i>	<i>Production 1,000 metric tons</i>	<i>Country</i>	<i>Production 1,000 metric tons</i>
United States	4,735	Germany	2,050 ('87)
Canada	226	France	1,100 ('88)
INDIA	80	Italy†	1,150 ('88)
Japan†	2,500 ('87)	United Kingdom	955 ('88)
U. S. S. R.	1,208 ('86)		

Note. Estimated world production in 1988 was 16 million metric tons.

NITROGEN (1987-88)

<i>Commodity</i>	<i>Production 1,000 metric tons</i>	<i>Commodity</i>	<i>Production 1,000 metric tons</i>
Chile nitrate	224	Nitrate of lime	195
Sulphate of ammonia	1,176	Other forms of Nitrogen	980
By-product	411	By-product	49
Synthetic	765	Synthetic	931
Calcium cyanamide	805		

A—Sulphur ore. B—Sulphur content of ore mined. (E)—Estimate.

† Estimated production.

POTASH (in terms of pure Potash K_2O) [1988]

<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>	<i>Country</i>	<i>Production</i> <i>1,000 metric tons</i>
United States	288	Germany	1,968 ('87)
INDIA	4 ('87)	Spain	121 ('85)
Japan	4 ('86)	France	582
Palestine	24	Poland	108
U. S. S. R.	235 ('87)		

Note. World production in 1987 was 9.1 million metric tons.

ELECTRICITY (1988)

<i>Country</i>	<i>Production</i> <i>million kw.</i>	<i>Country</i>	<i>Production</i> <i>million kw.</i>
Union of South Africa P.	5,836 ('86)	Germany	55,238
Canada P.	25,999	Belgium P.	8,194 ('87)
United States B.	115,890	France	19,300
China (Excl. Manchuria)	4,169 ('86)	Italy	15,108
Japan P.	26,714 ('87)	Norway	9,907
British Malaya	975	United Kingdom	55,700
Philippines (Manila) P.	145	Australia	3,909 ('87)
U. S. S. R. P.	46,780 ('85)	New Zealand	1,253 ('87)

RAILWAYS, SHIPPING, ETC.

LENGTH OF RAILWAYS

<i>Country</i>	<i>Miles</i>	<i>Country</i>	<i>Miles</i>
Argentina (1989)	26,564	Italy (1988)	14,588
Australia (1988)	27,186	Japan (1986-87)	15,254
Belgium (1988)	70,068	Poland (1987)	12,580
Canada (1988)	56,760	Russia (1988)	53,168
China (1985)	8,181	Sweden (1988)	10,554
France (1988)	26,427	South Africa (1988)	18,218
Germany (1986)	42,299	United Kingdom (1987)	20,080
INDIA (1988-89)	41,184	U. S. A. (1988)	236,842

MOTOR CARS (1988)

<i>Country</i>	<i>Production</i> <i>in 1,000</i>	<i>Country</i>	<i>Production</i> <i>in 1,000</i>
Canada	166	Germany	842
U. S. A.	2,490	France	223
Japan	30	Italy	69
U. S. S. R.	215	United Kingdom	445

Notes. The estimated total of world production of motor cars in 1988 was 4,021,000. Of this U. S. A. alone producing 2,490,000 accounted for 65.5% of world production.

P.—Public Station. B.—Central Station, Government plants & Railways.

CENSUS OF MOTOR CARS (end of 1929)

<i>Country</i>	<i>Total Motor cars</i>	<i>Country</i>	<i>Total Motor cars</i>
Egypt	27,715	Philippine Islands	84,161
South Africa. Union of	141,200	Indo-China	18,507
Canada	1,126,802	Netherlands Indies	88,687
United States	26,653,450	Germany	688,633
Mexico	84,771	Austria	34,583
Argentina	362,287	Belgium	143,886
Brazil	192,700	Denmark	98,301
China	30,283	Spain	178,176
INDIA	164,275	France	1,292,387
Japan	88,318	Irish Free State	43,988
Ceylon	19,982	Italy	250,427
British Malaya	37,407		

Note. In 1929 there were in all 85·2 million motor cars throughout the world, of which U. S. A. alone possessed 26·7 millions or about 76% the world figure.

Of the countries enumerated above, India is one of the poorest. But it is rather paradoxical that in 1929, Russia and Japan by far richer countries than India, possessed only one-sixth and one-half respectively of the number possessed by India.

World Shipping

PRE-WAR FIGURES

STEAM AND MOTOR SHIPS (1939)

<i>Country</i>	<i>No.</i>	<i>Gross tons in million</i>	<i>% of world tonnage</i>
Great Britain and			
N. Ireland	6,722	17·9	26·1
British Dominions	2,255	3·1	...
France	1,281	2·1	4·3
Germany	2,459	4·5	6·5
Greece	607	1·8	...
Italy	1,227	3·4	5
Japan	2,337	5·6	8·2
Netherlands	1,523	3	4·3
Norway	1,987	4·8	7·2
Sweden	1,231	1·6	...
United States (Sea)	2,345	8·9	13
United States			
(Lakes. etc.)	508	2·5	...
Other countries	5,331	7·3	...
<i>World Total</i>	<i>29,768</i>	<i>68·4</i>	<i>..</i>

Note. Due to sinking, scuttling and transfer from one flag to another, the above tonnage figures have undergone great changes since the outbreak of the War (Sept. 3, 1939).

(World Trade 1938)

<i>Country</i>	<i>Imports</i> (In million U. S. old gold dollars)	<i>Exports</i>
Union of South Africa	287·0	288·8
Canada	398·6	561·7
U. S. A.	1,151·5	1,805·4
Argentina	261·5	258·6
China	154·2	90·6
Manchuria	204·3	100·5
INDIA	324·9	350·2
Burma	44·8	102·0
Neth. Indies	158·0	226·1
Germany	1,296·4	1,250·2
France	783·1	516·9
Italy	345·7	322·6
Holland	459·7	337·4
United Kingdom	2,480·6	1,359·0
Australia	305·0	306·0
New Zealand	127·0	134·7
U. S. S. R.	154·6	148·1

Note. Total world trade in 1938 was 14,292 million old gold dollars (imports) and 13,356 million old gold dollars (exports). U. S. A. was the largest seller of goods and United Kingdom the largest buyer of goods in the world market.

PERCENTAGE OF WORLD TRADE (1929)

(Shared by certain countries of the world)

<i>Country</i>	<i>% of Population</i> <i>to world population</i>	<i>% of world's</i> <i>foreign trade</i>
U. S. A.	6·15	13·93
United Kingdom	2·3	13·16
Germany	3·2	9·13
France	2	6·24
Canada	·5	3·48
INDIA	17·5	3·07
Japan	3·2	2·69
Netherlands	·4	2·80
Italy	2·1	2·79
Belgium	·4	2·76
Argentina	·55	2·57
China	2·22	2·12
Australia	·32	2·00
U. S. S. R.	7·85	1·30
Other Countries	...	37·76

Note. The year 1929 is taken as a base year by statisticians. The figures in the second and the third columns read together will indicate the respective economic prosperity of the countries enumerated.

POPULATION BY OCCUPATIONAL GROUPS

Country	Census year	Agriculture, fishing, etc.	Mining and quarries.	Industry.	Trade.	Mercantile marine.	Other transport and communications.	Army and navy.	Public administra- tion.	Liberal professions.	Domestic service, etc.	Other and unspeci- fied.	Total.
South Africa (White)	1921	81.2	8.7	18.9	19.8	0.7	5.4	0.5	5.4	6.3	4.2	5.8	100.0
Canada	1921	85.0	1.6	26.9	18.0	0.7	7.1	0.2	2.8	6.0	6.7	...	100.0
United States	1920	26.8	2.6	80.8	10.2	0.4	7.0	0.5	1.8	5.2	8.2	7.5	100.0
BRITISH INDIA	1921	72.8	0.8	11.2	5.9	0.2	1.2	0.8	1.1	1.5	1.8	4.2	100.0
Germany	1925	80.5	8.2	38.1	11.7	0.5	4.2	0.4	2.0	4.1	4.4	0.9	100.0
England and Wales	1921	6.8	7.5	89.7	18.9	1.9	5.1	...	6.5	4.4	11.8	2.4	100.0
Austria	1920	81.9	...	88.8 ¹	...	12.2 ²	...	...	8.8 ⁴	2.6	11.2	...	100.0
Belgium	1920	19.1	6.6	39.9	10.7	0.8	6.8	2.2	3.8	8.6	5.0	2.0	100.0
Denmark	1921	84.8	...	27.0	10.8	1.3	4.3	0.7	0.8	5.5	19.3	1.2	100.0
Scotland	1921	10.1	7.1	40.2	10.7	1.7	6.6	0.8	1.8	4.4	9.2	8.0	100.0
France	1926	98.8	2.0	31.2	11.4	...	...	1.6	...	...	4.0	...	100.0
Ireland	1926	52.1	0.2	14.5	8.3	0.9	4.3	1.2	2.1	8.9	9.9	2.6	100.0
Italy	1921	56.1	0.6	24.0	6.4	...	4.0 ³	2.0	1.5	8.0	2.4	...	100.0
Australia	1921	22.9	2.9	31.2	15.3	2.1	6.9	0.4	1.7	6.5	9.0	1.1	100.0
New Zealand	1921	27.1	1.6	27.5	15.5	3.2	6.7	0.3	1.0	8.4	8.7	...	100.0

¹ Includes army & navy. ² Includes mining and quarries.³ Includes trade and other transport and communications. ⁴ Includes army and navy.⁵ Includes mercantile marine.

NALANDA YEAR-BOOK

EDUCATIONAL STATISTICS OF CERTAIN COUNTRIES OF THE WORLD

INDIA (1988-40)

<i>Type of Institutions</i>	<i>Number of Institutions</i>	<i>Number of Scholars</i>
Universities	15	—
Colleges	304	719,530
Professional Colleges	81	25,374
Professional & Technical schools	11,087	454,817
Secondary schools	14,214	2,659,201
Primary schools	189,751	11,445,372
Unrecognised Institutions	20,052	592,105

GREAT BRITAIN

Universities*	16	49,152
Secondary and Technical schools†	2,408	725,450
Elementary schools†	92,119	5,652,323

CANADA (1988-89)

Universities	18	—
Colleges	—	116,742
Other schools including Primary schools	33,963	2,180,082

U. S. A. (1988)

Universities, Colleges and professional schools	1,383	1,091,311
Other special schools	18,30	415,376
Elementary and Secondary schools	271,145	29,005,373

BELGIUM (1988)

Universities	4	10,775
Secondary schools	276	86,975
Elementary schools	13,488	1,222,164

FRANCE‡ (1988)

Universities	17	74,632
Secondary schools	545	282,349
Primary schools	84,105	5,889,811

* 1989-40 † 1988 ‡ Including Algeria.

GERMANY (1988)

<i>Type of Institution</i>	<i>Number of Institutions</i>	<i>Number of scholars</i>
Universities	25	43,189
Higher technical institutions	10	9,554
Secondary schools*	2,282	670,895
Elementary schools	52,989	7,893,585

ITALY

Universities	26	77,429†
Technical schools	1,975	346,294‡
Secondary schools	541	267,294‡
Elementary schools	148,760	5,817,690‡

JAPAN (1986-87)

Universities and colleges	45	72,195
Technical and special schools	1,720	572,629
Secondary schools	18,619	2,766,569
Elementary schools	27,786	11,719,539

NETHERLANDS (1988-29)

Universities	6	9,895
Technical and special schools	1,088	71,185
Secondary schools	420	82,684
Elementary schools	10,139	1,456,116

SOVIET RUSSIA (1939)

<i>Schools in 1939</i>		<i>Scholars in 1939</i>	
<i>Type</i>	<i>Number</i>	<i>Type</i>	<i>Number</i>
Elementary (86)	164,081		
Factory (86)	1,797	Pre-school	6,000,000§
Technical (86)	2,572		
Worker's faculties (86)	716	All schools	39,965,400
High schools and			
Universities (86)	595		
	169,761	Outside schools	8,000,000§
Addition up to 1939	9,693		
Research Institutes	794	Research workers	37,200
Total ...	180,248		

* Figures for 1937 † 1988-89 ‡ 1987-88 § Approximate figures.

FORMS OF GOVERNMENT

<i>Country</i>	<i>Form</i>
Afghanistan	Constitutional Monarchy.
Argentina	Federal Republic.
Belgium*	Constitutional Monarchy.
Bolivia	Republic.
Brazil	Federal Republic.
<i>British Empire :</i>	
United Kingdom	Constitutional Monarchy.
Canada	Self-governing Dominions.
Australia	
New Zealand	
South Africa	
Eire ¹	
INDIA	Dependent Empire.
Bulgaria	Monarchy.
China	Republic.
Denmark*	Constitutional Monarchy.
Egypt	Constitutional Monarchy.
Finland	Republic.
France*	Republic.
Germany	Authoritarian State in the Republican form.
Greece*	Constitutional Monarchy.
Hungary	Monarchy (only theoretically, ruled by a Regent, the throne is empty).
Iran	Constitutional Monarchy.
Iraq	Constitutional Monarchy.
Italy	Authoritarian State in Monarchical form.
Japan	Limited Monarchy.
Mexico	Federal Republic.
Nepal	Military oligarchy of Nobles, (theoretically absolute monarchy).
Netherlands*	Constitutional Monarchy.
Norway*	Constitutional Monarchy.
Portugal	Republic (virtually a dictatorship).
Roumania	Constitutional Monarchy (practically authoritarian).
Spain	Authoritarian State in the Republican form.
Sweden	Constitutional Monarchy.
Switzerland	Federal Republic.

* Now under German occupation.

¹ It is doubtful if Eire can still be considered a member of the British Commonwealth. The new constitution, which came into force on December 29, 1937, declares Eire to be a sovereign, independent, democratic, Catholic State. No ties with the Crown are retained, the post of the Governor-general is abolished and an elected president is the Head of the State.

* The Republican constitution has been suspended by Marshal Petain.

* Now under German and/or Italian occupation.

FORMS OF GOVERNMENT (*Contd.*)

<i>Country</i>	<i>Form</i>
Thailand (formerly Siam)†	Constitutional Monarchy.
Turkey	Republic.
U. S. A.	Federal Republic.
U. S. S. R.	Communist State in the form of a Federal Republic.
Yugoslavia*	Constitutional Monarchy.

SOVEREIGNS AND CHIEF EXECUTIVES

<i>Country</i>	<i>Name of chief executive</i>	<i>Designation</i>
Afghanistan	Zahir Shah	King
Argentina	Pedro Ramirez	President
Belgium*	Leopold III	King ¹
Bhutan	Jig-me Wang-Chuk	Maharaja
Bolivia	Enrique Paniaranda	President
Brazil	Getulio Dornelles Vargas	President
Bulgaria	Boris III	Tsar
Chile	Señor Juan Antonio Ries	President
China	Lin Shen	President
Columbia	Eduardo Santos	President
Costa Rica	Rafael Calderon Guardia	President
Cuba	Fulgencio Batista	President
Denmark*	Christian X	King
Dominica	Manuel de Jesus Troncoso de la Concha	President
Ecuador	Don Carlos Arroya del Rio	President
Eire	Douglas Hyde	President
Egypt	Faruk I	King
Finland	Risto Ryti	President
France	Henri Phillipe Petain	Head of the State
Germany	Adolf Hitler	Fuehrer and Chancellor
Great Britain	George VI	King and Emperor
Greece*	Georgios II	King
Guatemala	Jorge Ubico	President
Haiti	Stenio Vincent	President
Honduras	Tiburcio Carias Andino	President
Hungary	Nicholas Horthy de Nagybanya	Regent
Iceland	Christian X	King
Iran	Muhummed Riza Pehlvi	Shah
Iraq	Faisal II	King

¹ Designation is King of the Belgians and not King of Belgium.

* Now under German and/or Italian occupation.

† Now under Japanese military occupation.

SOVEREIGNS AND CHIEF EXECUTIVES (*Contd.*)

<i>Country</i>	<i>Name of chief executive</i>	<i>Designation</i>
Italy	Victor Emmanuel III	King
Japan	Hirohito	Emperor
Liberia	Edwin Barclay	President
Manchukuo	Kang Teb	Emperor
Mexico	Manuel Avila Camacho	President
Morocco	Sidi Mohammed	Sultan
Nepal	Tribhubana Bir Bikram Jung Bahadur Shah Bahadur Shunshere Jung	Maharajahdiraja
Netherlands*	Wilhelmina Helena Pauline Maria	Queen
Nicaragua	Anastasio Somoza	President
Norway*	Haakon VII	King
Panama	Arnulfo Arias	President
Paraguay	Higinio Morinigo	President
Peru	Manuel Prado y Ugarteche	President
Philippines†	M. L. Quezon	President
Portugal	Antonio Oscar de Fragoso Carmona	President
Roumania	Mihai (Michael)	King
Salvador	Maximiliano Hernandez Martinez	President
Saudi Arabia	Abdul-Aziz ibn Abdur-Rahman al-Faisal al-Saud	King
Spain	Francisco Franco Bahamonde	Caudillo & Chief of the State
Sweden	Gustav V	King
Switzerland	Ernst Wetter	Federal President
Thailand (Siam)†	Ananda Mahidol	King
Turkey	Ismet Inonu	President
Uruguay	Alfredo Baldomir	President
U. S. A.	Franklin Delano Roosevelt	President
U. S. S. R.	Mikhail Ivanovich Kalinin	Chairman of the Presidium of the Supreme Soviet
Vatican	Pius XII	Pope
Venezuela	Eleazar Lopez Contreras	President
Yugoslavia*	Peter II	King

Legislatures of the World

<i>Country</i>	<i>Name of Legislature</i>	<i>Upper & Lower Houses</i>
Australia	Federal Parliament	Senate House of Representatives
Bulgaria	Sobranje	...
Canada	Parliament	Senate House of Commons

* Now under German and/or Italian occupation.

† A major part of the Philippines is now under the Japanese. Thailand has entered a pact of alliance with Japan and has joined Japan in the war.

<i>Country</i>	<i>Name of Legislature</i>	<i>Upper & Lower Houses</i>
Denmark ¹	Riksdag	Landsting Folketing
Egypt	Barlaman	Majlish ash Shuyukh Majlish am Nawwab
Eire	Oireachtas	Seanad Eireann Dail Eireann
Finland	House of Representatives	...
France	Parliament ²	Senate Chamber of Deputies
Germany	Reichstag ³	...
Great Britain	Parliament	House of Lords House of Commons
Iceland*	Althing	Upper House Lower House
India	Federal Legislature ⁴	Council of State House of Assembly
Iran	Majlis	...
Iraq	Parliament	Majlis al A'Avan Majlis al Nawwab
Italy	Parliament	Senate Chamber of Fasci and Corporation
Japan	Imperial Diet	House of Peers House of Representatives
Netherlands	States-General†	First Chamber Second Chamber
New Zealand	General Assembly	Legislative Council House of Representatives
Northern Ireland	Parliament	Senate House of Commons
Norway	Storting†	Lagting & Odelsting
Russia	Supreme Council	Council of Union Council of Nationalities
South Africa	Parliament	Senate House of Assembly
Sweeden	Diet	First Chamber Second Chamber

¹ Country under German occupation.

² Parliament not functioning, constitution suspended.

³ Practically functionless, summoned occasionally to hear Hitler's speeches.

⁴ This will be the designation when federation is inaugurated. At present the two Houses of the Central Legislature are the Council of State and the Legislative Assembly.

* Under U. S. A. occupation.

† Ceased to function as the Governments are in Britain, the countries being under German occupation.

<i>Country</i>	<i>Name of Legislature</i>	<i>Upper & Lower Houses</i>
Switzerland	Parliament	Standerat Nationalrat
Turkey	Grand National Assembly	...
United States	Congress ¹	Senate House of Representatives
Yugoslavia	Parliament	Senate Skupstina

Prime Ministers of the World

<i>Country</i>	<i>Prime Minister</i>
Australia	... Mr. John Curtin
Belgium	... M. Hubert Pierlot ²
Bulgaria	... M. Milov
Canada	... Mr. W. L. Mackenzie King
China	... Gen. Chiang Kai-shek
Denmark	... Th A. M. Stauning†
Egypt	... Mustafa Nahas Pasha
Eire	... Mr. Eamon de Valera
France	... M. Pierre Laval*
Germany	... Adolf Hitler *
Great Britain	... Mr. Winston Leonard Spencer Churchill
Greece	... M. Tsondaris
Hungary	... M. Nicholas de Kallaay
Iceland	... M. Herman Jonasson
Iran	... Mr. Soheily
Iraq	... General Nuri Said Pasha
Italy	... Benito Mussolini *
Japan	... General Hideki Tojo
Nepal	... Maharaja Joodha Shumshere Jung Bahadur Rana
Netherlands	... Prof. Dr. P. S. Gerbrandy†
New Zealand	... Mr. Peter Fraser
Northern Ireland	... Mr. J. M. Andrews
Norway†	... M. Quisling (German-installed)
Portugal	... Dr. Antonio d' Oliviera Salazar*
Roumania	... Gen. Antonescu *
Spain	... Gen. Francisco Franco Bahamondo*
South Africa	... Gen. J. G. Smuts
Sweden	... Per Albin Hansson

¹ The other American Republics usually call their Legislatures the Congress.

² The Government is now established in Britain, the country is under German occupation.

* Dictators. † Countries under German occupation.

<i>Country</i>		<i>Prime Minister</i>
Thailand	...	Luang Bipul Songgram
Turkey	...	Fakri Tuzer
United States	...	Mr. Franklin Delano Roosevelt
Yugoslavia	...	Dr. Slobodan Yovanovitch
U. S. S. R.	...	M. Josef Stalin

World Literacy Figures

<i>Country</i>		<i>Per cent of population over 10 years of age</i>
Egypt (1927)	...	14.8
India (1931)	...	16
Brazil (1920)	...	33
Mexico (1930)	...	40.7
Turkey (1927)	...	8.2
Turkey (1934)	...	44.9
Spain (1935)	...	68.9
Poland (1935)	...	79
Italy (1935)	...	81
U. S. S. R. (1937)	...	87

Note. In advanced countries like England, Germany, France, Canada, U. S. A. and Japan, the corresponding literacy percentages vary between 90 and 99.

MISCELLANEOUS GENERAL INFORMATION

The "Greatest"

Largest Archway	Sydney Harbour Bridge (Australia)
Largest Balloon	<i>Explorer II</i> (U. S. A.)
Largest Battleship	<i>King George VI</i> (Britain)
Largest Bell	Moscow (200 tons, 21 ft. high, 21 ft. dia.)
Largest Bridge	San Francisco-Oakland Bay ($8\frac{1}{2}$ miles, U. S. A.)
Largest Building	Pyramid at Gizeh (Egypt)
Tallest Building	Palace of the Soviets (Moscow)
Largest Canal	Stalin Canal (joining the Baltic to the White Sea)
Largest Church	St. Peter's (Rome)
Tallest Church	Ulm Cathedral (Germany)
Largest City	London (p. 8,650,000)
Largest Clock	Colgate Building (U. S. A.)
Largest Continent	Asia (both in area and population)
Largest Country	Brazil (South America)

Largest Corridor	Rameswaram Temple (South India, app. 4,000 feet)
Largest Dam	Iloyds Barrage (Sukkur, Sind)
Highest Dam	Boulder Dam (U. S. A.)
Largest Desert	Sahara (Africa)
Biggest Diamond	The Cullinan
Largest Dome	Gol Gumbaz (Bijapur, 144 ft. diameter)
Largest Dry Dock	Southampton (England)
Largest Island	Greenland†
Largest Lake	Lake Superior (North America, 412 m. long)
Largest Lake (Fresh water)	Caspian Sea (Asia, 680 m. long)
Biggest Library	Go-nder Stvennaja Publicnaja Biblioteka, Leningrad‡ (above 4 million printed books)
Highest Mountain Peak	Mount Everest (29,141 ft. §)
Biggest Museum	British Museum (London)
Biggest Navy	Great Britain
Largest Ocean	Pacific Ocean (both in area and depth)
Largest Palace	Vatican (Vatican City)
Largest Park	Yellowstone National Park (U. S. A. 3,350 sq. miles)
Largest Pearl	Bresford-Hope Pearl (1,800 gm.)
Largest Peninsula	India
Wettest Place	Cherrapunji (Assam)
Largest Planet	Jupiter
Biggest Railway	Trans-Siberian Railway
Longest Railway Platform	Sonepur (Bihar)
Longest Railway Run	Riga to Vladivostok (6,000 miles)
Largest Railway Station	Grand Central Terminus, New York (47 platforms)
Largest River	Amazon (S. America)
Longest River	Missouri-Mississippi (4,502 m.)
Biggest Ship	<i>Queen Elizabeth</i> (85,000 tons)
Largest State	Soviet Union
Biggest Statue	Statue of Liberty (New York, U. S. A.)
Largest Telescope	Being constructed at Mt. Palomar Observatory, California, 55 ft. long. 20 ft. in dia., weight 250 tons, reflector 200 inches. The largest existing telescope is at Mt. Wilson Observatory, with a 100-inch reflector.
Longest Tunnel	Ben Navis (Switzerland, 15 miles)

† Australia which is more than three times in area, though geographically an island, is regarded as a continent.

‡ The Lenin National Library at Moscow, designed to hold 9 million books, is popularly supposed to be the biggest.

§ There is controversy about the height.

Largest Volcano	Mauna Loa (Hawaii, 13,760 ft. with a crater-diameter of 12,400 ft.)
Longest Wall	Great Wall of China (over 1,000 miles in length)
Biggest Waterfall	Venezuela, Caroni Region, (5,000 ft.)

Fastest Atlantic Ocean Liners

Year	Time			Tons	Ship
	d.	h.	m.		
1909	4	10	41	30,696	<i>Mauretania</i>
1924	5	1	49	30,696	<i>Mauretania</i>
1929	4	18	17	51,650	<i>Bremen</i>
1930	4	17	6	51,656	<i>Europa</i>
1932	4	15	56	51,656	<i>Europa</i>
1933	4	17	43	51,650	<i>Bremen</i>
1934	4	6	38	42,318	<i>Empress of Britain</i>
1935	4	3	2	50,000	<i>Normandie</i>
1936	4	0	27	73,000	<i>Queen Mary</i>
1936	3	23	57	73,000	<i>Queen Mary</i>
1937	3	23	2	80,000	<i>Normandie</i>
1938	3	21	45	73,000	<i>Queen Mary</i>
1939	3	20	42	73,000	<i>Queen Mary</i>

Largest Ship Afloat

Steamer	Flag	Gross Tonnage	Dimensions		Speed (knots)	Built-(year)
			Length	Breadth (feet)		
<i>Aquitania</i> † T	Br.	45,647	868'7	97'0	23	1914
<i>Bremen</i> † T	Ger.	51,731	898'7	101'9	26	1929
<i>Conte di Savoia</i> † T	Ital.	48,502	814'6	96'1	26	1932
<i>Europa</i> † T	Ger.	49,746	890'2	102'1	26	1928
<i>Ile de France</i> † T	Fr.	43,450	763'7	92'0	23	1926
<i>Nieuw Amsterdam</i>	Neth.	36,237	713'7	88'3	20½	1937
<i>Normandie</i> †	Fr.	89,423	962'0	117'7	28½	1933
<i>Queen Elizabeth</i> † T	Br.	85,000	N. R.	N. R.	N. R.	1939
<i>Queen Mary</i> † T	Br.	81,235	975'2	118'6	28	1936
<i>Rex</i> † T	Ital.	51,062	879'0	97'0	25	1932

Railway—World's Fastest Runs

Railway	From	To	Distance		Speed
			miles	m. p. h.	
German State	Berlin	Hanover	157'8	83'1	
Union Pacific (America)	Grand Island	Columbus	62'4	81'4	
Belgian National	Brussels	Bruges	57'7	75'8	
French National	Paris	Longueau	78'2	75'5	
Italian State	Rome	Naples	130'5	72'5	
London and North-Eastern	King's Cross	York	188'2	71'9	

† Quadruple Screw. T. Turbine N. R. No Record.

World's Longest Railway Tunnels

(6 miles and over)

LENGTH AND MAXIMUM DEPTH

<i>Tunnel</i>	<i>Length</i>		<i>Maximum depth (ft)</i>	<i>Country</i>
	<i>m.</i>	<i>yd.</i>		
Ben Nevis	15	0	...	Switzerland
Tana	13	880	...	Japan
Simplon	12	560	7,000	Switzerland-Italy
Apennine	11	880	...	Italy
St. Gotthard	9	550	6,000	Switzerland
Lotschberg	9	190	7,000	Switzerland
Mont Cenis	8	870	...	Italy
Cascade	7	1,410	...	United States
Ariberg	6	650	...	Austria
Moffat	6	200	...	United States
Shimizu	6	70	...	Japan

Britain's longest railway tunnel is the Severn (G. W. Rly.), 4 miles 642 yds. of which $2\frac{1}{2}$ miles are under the river. The longest tunnel in which daylight is visible from entry to exit is the Albula Tunnel of the Rhaetian Railway (Swiss), $3\frac{1}{4}$ miles in length.

National Libraries

THE LENIN NATIONAL LIBRARY, Moscow. Claims to be the largest library in the world. Designed to hold 9,000,000 books. In 1927, site of the new library was acquired.

GOSUDER STVENNAJA PUBLICNAJA BIBLIOTEKA. LENINGRAD. Printed works 4,882,948; MSS. 881,100. Founded by Catherine the Great.

DIE PREUSSISCHE STAATS BIBLIOTHEK, Berlin. 2,500,000 volumes. About 19,000 Oriental MSS. collection a speciality. In 1661 during Frederick William's reign; the original name was Kurfurstliche Bibliothek.

THE LIBRARY OF CONGRESS, Washington. 5,848,206 volumes were received in all. In 1931, 3,289,720 volumes were retained and the rest rejected. The old library was destroyed in 1814, the second library was established in 1818 and possesses the largest library building in the world.

THE BRITISH MUSEUM, London. 4,000,000 volumes. Existed from the time of Henry VII and actually transferred to the Crown in 1700.

THE VATICAN LIBRARY, 480,000 printed books. 53,506 MSS. Built by the Popes of Avignon.

LA BIBLIOTHEQUE NATIONALE, Paris. 4,000,000 printed books. 5,000,000 periodicals. 125,000 MSS. Oldest of European national libraries dating from the time of Louis XI.

DIE NATIONAL BIBLIOTHEK, Vienna, 1,256,000 volumes. Theatre and film reel collection a speciality. Founded in 1498, as Hofbibliothek.

LA BIBLIOTEKA NACIONAL, Madrid. 1,400,000 volumes. 30,172 MSS. 30,000 periodicals. Founded by King Philip V in 1712. Became national in 1886.

LA REALE BIBLIOTEKA NAZIONALE CENTRALE, Florence. Printed books 888,256. Pamphlets 1,184,514. Music 44,180. MSS. 22,715. Letters 420,186. Estd. in 1747; formerly Magliabechi Library, in 1885 became the National Central Library of Italy (Royal).

BAYERISCHE STAATSBIBLIOTHEK, Munich. Bound volumes 1,580,000, MSS. 50,000, famous for MSS. collections and rare books. Founded by Albert V of Bavaria 1550-79. One of the foremost learned libraries of the world.

BODLEIAN LIBRARY, OXFORD. 1,400,000 printed books. Established by Cobham in the 14th century. The greatest University library in the world.

BOSTON PUBLIC LIBRARY. 1,682,848 volumes. Founded in 1852.

THE IMPERIAL LIBRARY OF JAPAN, Tokyo. 779,147 volumes. Founded in 1872 by the department of education.

Aviation Records and Performances, 1903-1940

EARLY RECORDS

1903—(Dec. 17) 284 yards, Wilbur and Orville Wright (U. S. A.) First flight in the world.

1906—25 metres. A Santos Dumont (France). First flight in Europe.

1906—11 miles 211 yards, Orville Wright (U. S. A.). Long distance flight. Same season Wright beat twenty miles (20½ miles), Daytona.

1908—10 miles 922 yards, L. Delagrange (France). First European distance flight.

1908—77 miles 856 yards, Wilbur Wright (U. S. A.).

1909—(July 25) L. Bleriot (France). Across the Channel.

1910—186 miles, L. Paulhan (France). London to Manchester, (one stop).

1911—(Sept. 17-Nov. 4) C. F. Rogers. New York to Pasadena, Calif. First trans-continental flight.

1911—G. H. Curtiss (U. S. A.), Hydroplane. First flight rising from the water.

1911—1,010 miles, Lieut. Conneau (France). First Great Britain circuit (22 hrs. 29 mins.).

1912—Harry Hawker. First British duration record (8 hrs. 23 mins.).

1918—630 miles, Capt. C. A. H. Longcroft. Without stop with one passenger (Montrose to Farnborough).

WORLD RECORDS

SPEED 1934 (Oct. 28)—Warrant-officer Francesco Agello, Italian Air Force, 440.6 m. p. h.

DISTANCE 1937 (July 12-14)—U. S. S. R. Crew, Moscow to California, 6,700 miles.

DISTANCE AND SPEED—1938 (June)—Maj. Rossi, France, 3,125 miles (5,000 Kilometres) at 241 m. p. h.

ALTITUDE

AEROPLANE—1938 (Oct. 22) Lt.-Col. Mario Pezzi, Italian Air Force, 56,017 ft. or over 10½ miles. Previous best, Flight.-Lt. M. J. Adam, Royal Air Force (accidentally killed, Sept. 22, 1938) 53,937 ft.

BALLOON—1935 (Nov. 11) Capt. Albert W. Stevens and Capt. Orvil A. Anderson, U. S. A. Air Corps, reached height of 74,000 ft. (over 14 miles) in stratosphere balloon *Explorer*. Previous record claimed by U. S. S. R. balloon, 72,176 ft.

RECENT AEROPLANE FLIGHTS—1937-1939

<i>Date</i>	<i>Pilot</i>	<i>Distance</i>	<i>Time</i>
<i>First Tokyo-Croydon flight</i>			
April, 1937	Masaaki Tinuma, Kenji, Tsukagoshi.	10,000 miles ; Tokyo, Japan, to Croydon, England.	94 hours 18 minutes.
<i>First Arctic non-stop flight</i>			
June, 1937	Chkaloff, Baidukoff, Beliakoff.	5,400 miles ; Moscow-Vancouver- Washington State.	65 hours 17 mins.
<i>New round-the-world aeroplane record</i>			
July, 1938	Howard Hughes and four companions.	14,874 miles ; New York-Paris- Moscow-Omsk-Yakutsk- Fairbanks-New York.	8 days, 19 hrs. 17 mins.
<i>First non-stop flight from Berlin to New York</i>			
August, 1938	Capt. Henke, Flight- Capt. von Moreau.	3,942 miles ; Berlin to New York.	24 hours 54 mins.
<i>Others</i>			
December, 1938	Capt. Henke and crew of 4 and 1 passenger.	8,500 miles ; Berlin to Tokyo in four stages.	46 hours 15 mins.
February, 1939	Mr. A. Henshaw.	12,000 miles ; Gravesend-Cape Town-Gravesend.	4 days 10 hours

<i>Date</i>	<i>Pilot</i>	<i>Distance</i>	<i>Time</i>
April, 1939	M. Kokinaki, M. Gordienko.	4,000 miles ; Moscow to New Brunswick.	23 hours 40 mins.
October, 1936	Capt. A. G. Store, Capt. J. W. G. James, First Officer G. H. Bowes. Radio Officer H. E. Hobbs and E. F. G. Brent.	Eire to Newfound- land	13 hours 2 mins.
Nov., 1940	G. T. Baker	California to New York 2,357 miles.	9 hours 29 m. 30½ s.

High Buildings

<i>Name</i>	<i>Height (feet)</i>
Palace of the Soviets (Moscow, U. S. S. R.)	1,900
Empire State Building (New York, U. S. A.)	1,248
Chrysler Building (New York, U. S. A.)	1,046
Eiffel Tower (Paris, France)	984
Bank of Manhattan (New York, U. S. A.)	925
Crane Tower (U. S. A.)	880
Radio Building (New York, U. S. A.)	840
Woolworth Building (New York, U. S. A.)	792
R. C. A. Rockefeller Centre (U. S. A.)	850
Farmer's Trust (New York, U. S. A.)	767
Terminal Tower (U. S. A.)	708
Metropolitan Life Building (New York, U. S. A.)	700
Chanin Tower (U. S. A.)	680
Lincoln Building (New York, U. S. A.)	638
Waldorf-Astoria Hotel (New York, U. S. A.)	620
Ulm Cathedral (Germany)	529
Cologne Cathedral (Germany)	512
Baltimore Trust Building (U. S. A.)	500
Rouen Cathedral (France)	485
Strassburg Cathedral (Germany)	468
Pyramid of Cheops (Egypt)	450
St. Peter's Cathedral (Rome, Italy)	448
St. Stephen's Cathedral (Vienna, Austria)	441
Salisbury Cathedral (Spire), (Britain)	404
Genoa New Building (Italy)	380
St. Paul's Cathedral (Cross), (London, England)	365

Largest Cities of the World

<i>City</i>	<i>Population</i>	<i>City</i>	<i>Population</i>
London	8,650,000	Osaka	3,394,200
New York	7,986,000	Chicago	3,376,438
Tokyo	6,581,000	Paris	3,000,000
Berlin	4,299,318	Leningrad	2,776,400
Moscow	3,663,000	Buenos Aires	2,317,755
Shanghai	3,565,476	Calcutta*	2,100,000
Philadelphia	1,950,961		

Greatest Waterfalls

	<i>Height in ft.</i>		<i>Height in ft.</i>
Venezuela (Caroni region)	5,000	Garvarnie (France)	1,385
Sutherland (N. Zealand)	1,904	Takkakaw (Brit. Columbia)	1,200
Ribbon (Yosemite Park, California)	1,612	Kajetur (Brit. Guiana)	820
Yosemite Valley, Upper	1,430	Bridal Veil (Yosemite)	620
Kalambo (S. Africa)	1,400	Victoria (Zambesi River)	400
		Niagara (total descent 326 ft.)	167

Highest Mountains

<i>Peak</i>	<i>Feet</i>	<i>Range</i>
Everest	29,141	Himalayas
Godwin-Austen	28,378	Baltistan
Illamput	25,248	Andes
McKinley	20,464	Alaskan
Cotopaxi	19,613	Ecuador Andes
Mount Logan	19,539	Rockies
Mount Elias	19,500	Rockies
Kilimanjaro	19,325	Tanganyika
Popocatepetl	17,785	Mexico
Ararat	16,916	Armenia
Mont Blanc	15,781	Alps

Longest Ship Canals

	<i>miles</i>		<i>miles</i>
Gota	115	Kiel	61
Suez	100	Panama	50
Moscow-Volga	80	Elbe and Trave	41
Albert (Antwerp-Liege)	80	Manchester	35

Longest Bridges

Zambesi, just over 2 miles long.	Moerdijk (Holland), 1,443 yds.
Storstrom (Denmark), 2 miles.	Queensborough (U.S.A.), 1,145 yards.
Tay, 2 miles.	Brooklyn (U. S. A.), 1,062 yards.†
Forth 1½ miles.	Quebec, 988 yards.
Hardinge, (India), about 1 mile.	

* 1941 Census.

† Only over-water length is reckoned. If the over-all length be considered this is the longest (8½ miles)

Time Differences

One o'clock noon, Indian Standard Time as compared with the clock in the following places :

	<i>H. M.</i>		<i>H. M.</i>
Adelaide	4 0 p. m.	Melbourne	4 30 p. m.
Allahabad	12 58 p. m.	Montreal	1 30 a. m.
Amsterdam	6 50 a. m.	Moscow	8 30 a. m.
Athens	8 30 a. m.	New York	1 30 a. m.
Auckland, N. Z.	6 0 p. m.	Oslo	7 30 a. m.
Berlin	7 30 a. m.	Ottawa	1 30 a. m.
Bombay	12 21 p. m.	Panama	1 30 a. m.
Brisbane	4 30 p. m.	Paris	6 30 a. m.
Brussels	6 30 a. m.	Peiping	2 30 p. m.
Bucharest	8 30 a. m.	Perth	2 30 p. m.
Bupapest	7 30 a. m.	Peshawar	12 16 p. m.
Buenos Aires	2 30 a. m.	Prague	7 30 a. m.
Cairo	8 30 a. m.	Quebec	1 30 a. m.
Calcutta	1 24 p. m.	Quetta	11 58 a. m.
Cape Town	8 30 a. m.	Rangoon	1 0 p. m.
Chicago	12 30 a. m.	Rio de Janeiro	8 30 a. m.
Copenhagen	7 30 a. m.	Rome	7 30 a. m.
Dibrugarh	1 51 p. m.	San Francisco	10 30 p. m.*
Dublin	6 30 a. m.	St. Louis	12 30 a. m.
Gibraltar	6 30 a. m.	Shillong	1 30 p. m.
Hobart	4 30 p. m.	Singapore	1 30 p. m.
Hongkong	2 30 p. m.	Sofia	8 30 a. m.
Istanbul	8 30 a. m.	Stockholm	7 30 a. m.
Jerusalem	8 30 p. m.	Suez	8 30 a. m.
Karachi	11 58 a. m.	Sydney	4 30 p. m.
Lahore	12 27 a. m.	Tokyo	8 30 p. m.
Leningrad	9 30 a. m.	Toronto	1 30 a. m.
Lisbon	6 30 a. m.	Vancouver	10 30 p. m.*
London	6 30 a. m.	Vienna	7 30 a. m.
Madras	12 31 a. m.	Washington, D. C.	1 30 a. m.
Madrid	6 30 a. m.	Wellington	6 0 p. m.
Mauritius	10 30 a. m.	Yokohama	8 30 p. m.

Nobel Prize

The Nobel Prize is an annual award from a fund established under the will of the Swedish chemist and philanthropist, Alfred Bernhard Nobel (1833-96). By his will he set aside a sum of £1,700,000, the interest on which was to be devoted to awarding five prizes each year to men and women, without distinction of nationality, for the best contribution or improvement in (i) physics, (ii) chemistry, (iii) physiology or medicine, (iv) literature of an idealistic tendency, and (v) the cause of peace. The value of prize in each subject is over £8,000 or more than a lakh of rupees. The awards in physics and chemistry are made by the Swedish Academy of Science, in medicine by

* Previous day.

the Stockholm Faculty of Medicine, in literature by the Swedish Academy of literature. The peace award up till now was being made by a committee of five elected by the Norwegian Storting (Parliament). The first award was made on December 10, 1901. So far only two Indians have received the Nobel awards, Dr. Rabindia Nath Tagore, in literature (1913), and Sir Chandrasekhar Venkata Raman, in physics (1930). Madame Curie, the celebrated discoverer of radium is the only person to receive more than one award, the full award in chemistry in 1911 and a part of the award in physics in 1903 along with her husband, Pierre Curie. Madame Curie's daughter and son-in-law have also received the Nobel award.

RECIPIENTS OF NOBEL AWARDS

Literature : 1901. R. F. A. Sully-Prudhomme, France. 1902. T. Mommsen, Germany. 1903. B. Bjornson, Norway. 1904. F. Mistral, France and Jose Echegaray, Spain. 1905. H. Sienkiewicz, Poland. 1906. Prof. G. Carducci, Italy. 1907. Rudyard Kipling, Britain. 1908. Prof. Rudolf Eucken, Germany. 1909. Selma Lagerlof, Sweden. 1910 Paul Johan Ludwig Heyse, Germany. 1911. Maurice Maeterlinck, Belgium. 1912 G. Hauptmann, Germany. 1913. Rabindra Nath Tagore, India. 1914. (No award). 1915. Romain Rolland, France, 1916. V. Heidenstam, Sweden. 1917. Karl Gjellerup and M. Pontoppidan, Denmark. 1918. (No award). 1919. C. Spittler, Switzerland. 1920. Knut Hamsun, Norway. 1921 Anatole France, France. 1922. J. Benavente, Spain. 1923. William B. Yeats, Ireland, 1924. Wladislaw S. Reymont, Poland. 1925. George Bernard Shaw, Britain. 1926. Grazia Deledda, Italy. 1927. Henri Bergson, France. 1928. Mmc. S. Undset, Norway. 1929. Thomas Mann, Germany. 1930. Sinclair Lewis, U. S. A. 1931. Dr. E. Axel Karpfeldt, Sweden. 1932. J. Galsworthy, Britain. 1933. Ivan Bunin, Russia. 1934. Luigi Pirandello, Italy. 1935. (No award) 1936. Eugene O'Neil, U. S. A. 1937. R. M. du Gard, France. 1938. Mrs. Pearl Buck, U. S. A. 1939. P. E. Sillanpaa, Finland.

Physics : 1901. W. C. Roentgen, Germany. 1902. H. A. Lorentz, Denmark, and P. Zeeman, Denmark. 1903. Half to A. H. Becquerel, France, and half to Pierre Curie and his wife, Marie Curie, France. 1904. Lord Rayleigh, Britain. 1905. Philippe Lenard, Germany. 1906. J. J. Thompson, Britain. 1907. A. A. Michelson, U. S. A. 1908. Prof. Gabriel Lippman, France. 1909. G. Marconi, Italy and Prof. F. Braun, Germany. 1910. J. D. van der Waals, Netherlands. 1911. Prof. W. Wien, Germany. 1912. Gustaf Dalen, Sweden. 1913. Prof. H. Kamerlingh Onnes, Denmark. 1914. Prof. M. von Laue, Germany. 1915. Prof. W. H. Bragg and W. L. Bragg, Britain. 1916. (No award). 1917. C. G. Barkla, Britain. 1918. Prof. Max Planck, Germany. 1919. Prof. J. Stark, Germany. 1920. Prof. C. E. Guillaume, France. 1921. Dr. Albert Einstein, Germany. 1922. Prof. Niels Bohr, Denmark. 1923. Prof. R. A. Millikan, U. S. A. 1924. K. M. G. Seigbahn, Sweden. 1925. Dr. James Franck, Germany and Dr. Gustav Hertz, Germany. 1926. Jean B. Perrin, France. 1927. Prof. Arthur Compton, U. S. A. and Prof. C. T. R. Wilson, Britain. 1928. Prof. Owen W. Richardson, Britain. 1929. Duc. L. V. de Broglie, France. 1930. Sir Chandrasekhar Venkata Raman, India. 1931. (No award). 1932. Prof. W. Heisenberg, Germany. 1933. Prof. P. A. M. Dirac, Britain, and Prof. Erwin Schroedinger, Austria. 1934. (No award). 1935. J. Chadwick, Britain. 1936. Prof. V. G. Hess, Germany, and C. D. Anderson, U. S. A.

1987. C. J. Davisson, U. S. A. and George P. Thompson, Britain. 1988. Enrico Fermi, Italy. 1989. E. O. Lawrence, U. S. A.

Physiology & Medicine : 1901. E. Adolf von Behring, Germany. 1902. Sir Ronald Ross, Britain. 1903. N. R. Finzen, Denmark. 1904. I. P. Pavlov, Russia. 1905. R. Koch, Germany. 1906. Profs. Ramon y Cajal and Camillo Golgi, Italy. 1907. C. L. A. Laveran, France. 1908. Dr. Paul Ehrlich, Germany, and Prof. Elie Metchnikoff, Russia. 1909. Prof. Th. Kocher, Switzerland. 1910. Dr. A. Kosel, Germany. 1911. A. Gullstrand, Sweden. 1912. A. Carrel, U. S. A. 1913. C. Richet, France. 1914. Dr. R. Barany, Austria, 1915-18. (No award). 1919. Dr. J. Bordet, Belgium. 1920. Prof. A. Krogh, Denmark. 1921. (No award). 1922. Prof. A. Hill, Britain, and Prof. Mayerhoff, Germany. 1923. Dr. F. G. Banting and Dr. J. J. R. McLeod, Canada, 1924. W. Einthoven, Netherlands. 1925. (No award). 1926. Prof. J. Fibiger, Denmark. 1927. Prof. Julius W. Jauregg, Austria. 1928. Charles Nicolle, France. 1929. Dr. G. Hopkins, Britain, and Dr. C. Eijkmann, Netherlands. 1930. Dr. Karl Landsteiner, U. S. A. 1931. Dr. Otto H. Warburg, Germany. 1932. Sir Charles Sherrington, Britain, and Prof. E. D. Adrian, Britain. 1933. Prof. T. H. Morgan, U. S. A. 1934. Dr. G. Minot, Dr. W. P. Murphy and Dr. G. H. Whipple, U. S. A. 1935. Dr. H. Spemann, Germany. 1936. Sir Henry Dale, Britain, and Prof. Otto Loewe, U. S. A. 1937. Prof. Albert von Szentgyorgyi, Hungary. 1938. Prof. C. Heymans, Belgium. 1939. Prof. Gerhard Domagk, Germany.

Chemistry : 1901. J. H. van't Hoff, Netherlands. 1902. Emil Fischer, Germany. 1903. S. Arrhenius, Sweden. 1904. Sir W. Ramsay, Britain. 1905. A. von Bayer, Germany. 1906. Prof. H. Moissan, France. 1907. Edward Buchner, Germany. 1908. Prof. Ernest Rutherford, Britain. 1909. Prof. W. Ostwald, Germany. 1910. Otto Wallach, Germany. 1911. Mme. Marie S. Curie, France. 1912. Prof. Grignard, France, and Prof. Paul Sabatier, France. 1913. Prof. Alfred Werner, Switzerland. 1914. Prof. T. W. Richards, U. S. A. 1915. Dr. R. Willstaetter, Germany. 1916-17. (No award). 1918. Prof. Fritz Haber, Germany. 1919. (No award). 1920. Walter Nernst, Germany. 1921. Prof. Frederick Soddy, Britain. 1922. F. W. Aston, Britain. 1923. Fritz Pregl, Austria. 1924. (No award). 1925. Prof. Richard Zsigmondy, Germany. 1926. Dr. T. Svedberg, Sweden. 1927. Prof. Heinrich Wieland, Germany. 1928. Prof. Adolf Windaus, Germany. 1929. Dr. A. Harden, Britain, and Prof. Hans von Euler-Cheplin, Sweden. 1930. Prof. Hans Fischer, Germany, 1931. Prof. Carl Bosch and Prof. F. Bergius, Germany. 1932. I. Langmuir, U. S. A. 1933. (No award). 1934. Dr. H. C. Urey, U. S. A. 1935. Prof. F. Joliot and Madame I. Curie-Joliot, France. 1936. Prof. Debye, Netherlands. 1937. W. N. Haworth, Britain, and Paul Karrer, Switzerland. 1938. Prof. R. Kuhn, Germany. 1939. Prof. A. F. G. Butenandt, Germany, and Prof. Ruzicka, Switzerland.

Peace : 1901. Henri Dunant, Switzerland, and Frederic Passay, France, 1902. Elic Dunoemum, Switzerland, and Alfred Gobat, Switzerland. 1903. W. R. Cremer, Britain. 1904. The Institute of International Law, Ghent, Belgium. 1906. Baroness B. von Suttner, Austria. 1906. Theodore Roosevelt, U. S. A. 1907. Ernesto T. Moneta, Italy, and Louis Renault, France. 1908. K. P. Arnoldsén, Sweden, and M. F. Bajer, Denmark, 1909. Baron d'Estournelles de Constant, France, and M. Beernaert, Netherlands. 1910. International Permanent Peace Bureau, Switzerland. 1911. Prof. T. M. C. Asser, Netherlands, and Alfred Fried, Austria. 1912. Elihu Root,

U. S. A. 1914. H. la Fontaine, Belgium. 1914-16. (No award). 1917. International Red Cross, Geneva, Switzerland. 1918. (No award). 1919. Woodrow Wilson, U. S. A. 1920. Leon Bourgeois, France 1921. H. Branting, Sweden, and Christian L. Lange, Norway. 1922. Fridtjof Nansen, Norway. 1923-24. (No award), 1925. Gen. Charles G. Dawes, U. S. A., and Sir Austen Chamberlain, Britain. 1926. Aristide Briand, France, and G. Stressemann, Germany. 1927. F. Buisson, France, and Ludwig Quidde, Germany. 1928. (No award). 1929. F. B. Kellogg, U. S. A. 1930. Dr. Nathan Soderblom, Sweden. 1931. Miss Jane Addams and Dr. N. M. Butler, U. S. A. 1932. (No award). 1933. Norman Angell, Britain. 1934. Arthur Henderson, Britain. 1935. Carl von Ossietosky, Germany, 1936. C. S. Lamas, Argentina, 1937. Viscount Cecil, Britain. 1938. Nansen International Office for Refugees, Geneva, Switzerland.

Presidents of the United States

<i>Name</i>	<i>Term of Service</i>	<i>Name</i>	<i>Term of Service</i>
George Washington	1789-1797	Andrew Johnson	1865-1869
John Adams	1797-1801	Ulysses S. Grant	1869-1877
Thomas Jefferson	1801-1809	Rutherford B. Hayes	1877-1881
James Madison	1809-1817	James A. Garfield	Mar.-Sept 1881
James Monroe	1817-1825	Chester A. Arthur	1881-1885
John Quincy Adams	1825-1829	Grover Cleveland	1885-1889
Andrew Jackson	1829-1837	Benjamin Harrison	1889-1893
Martin Van Buren	1837-1841	Grover Cleveland	1893-1897
William H. Harrison	Mar. Apl. 1841	William McKinley	1897-1901
John Tyler	1841-1845	Theodore Roosevelt	1901-1909
James K. Polk	1845-1849	William H. Taft	1909-1913
Zachary Taylor	1849-1850	Woodrow Wilson	1913-1921
Millard Fillmore	1850-1853	Warren Gamaliel Harding	1921-1923
Franklin Pierce	1853-1857	Calvin Coolidge	1923-1929
James Buchanan	1857-1861	Herbert Clark Hoover	1929-1933
Abraham Lincoln	1861-1865	Franklin D. Roosevelt*	1933-

World War of 1914-18

The War began on August 1, and lasted for 4 years 3 months and 11 days. The Armistice was signed on November 11, 1918 and the Peace treaty was signed with Germany on June 28, 1919; with Austria on Sept. 10, 1919; with Bulgaria on Nov. 27, 1919; with Hungary in June 1920 and with Turkey on August 9, 1920.

Nations actively engaged in the War were :

Allies. 1. British Empire with Dominions, India and Colonies; 2. France and her Empire; 3. Belgium and her Empire; 4. Russia; 5. Serbia; 6. Montenegro; 7. Italy; 8. Roumania; 9. U. S. A.; 10. Japan.

Greece and Portugal also took sides with the Allies but did not take any important part.

Enemies. 1. Germany; 2. Austria-Hungary; 3. Bulgaria; and 4. Turkey,

* Thrice elected, and is still in office.

Approximate cost of the War of 1914-18 to principal parties :

1. United Kingdom exclusive of other countries of the British Empire.	£8,000 millions.
2. U. S. A.	£4,200 millions.
3. France	£5,000 millions.
4. Italy	£2,400 millions.
5. Germany	£8,000 millions.

As immediate or indirect result of the War, nearly £40,000,000,000 of debt were incurred by the belligerent nations.

At sea the strength of the Powers stood as follows in July 1914 :

	<i>Dreadnoughts complete or building</i>	<i>Fast cruisers</i>	<i>Modern destroyers</i>	<i>Submarines</i>
Britain	46	34	142	74
France	16	...	45	60
Russia	12	...	90	20
Italy	12	4	35	20
Japan	10	4	40	20
Germany	30	25	106	24
Austria	8	3	19	9

GREAT WAR CASUALTIES (1914-18)

ALLIES AND ASSOCIATES

	<i>Mobilized</i>	<i>Deaths</i>	<i>Wounded</i>
British Empire	8,904,000	1,089,919	2,400,988
France	8,410,000	1,398,888	1,490,000
Belgium	267,000	88,172	44,685
Italy	5,615,000	460,000	947,000
Portugal	100,000	7,222	13,751
Roumania	750,000	335,706	No record
Serbia	707,000	127,585	133,148
U. S. A.	4,355,000	115,660	205,690

ENEMY COUNTRIES

Germany	11,000,000	2,050,466	4,202,028
Austria & Hungary	7,800,000	1,200,000	3,620,000
Bulgaria	1,200,000	101,224	152,400
Turkey	2,850,000	300,000	570,000

BRITISH EMPIRE

	<i>Deaths</i>	<i>Wounded</i>
United Kingdom	812,317	1,849,494
INDIA	73,432	84,715
Canada	62,317	166,105
Australia	60,456	154,722
New Zealand	18,212	45,946
South Africa	9,082	17,848
Newfoundland	1,609	3,528
Colonies	52,044	78,585
Total British Empire	1,089,919	2,400,988
<i>Total mobilized</i>	8,904,000	<i>Total casualties</i> 8,590,907

WARSHIP LOSSES IN WAR OF 1914-18

<i>Class</i>	<i>U. K.</i>	<i>France</i>	<i>Italy</i>	<i>Germany</i>	<i>Austria & Hungary</i>
Battleships	18	4	3	1	8
Battle Cruisers	8	...	...	1	...
Cruisers	25	5	2	24	2
Monitors	6	...	1	...	3
Destroyers	64	14	10	72	5
Torpedo Boats	10	8	5	51	4
Submarines	59	14	8	216	8
Small Craft	27	9	...	...	...

Note. Besides the above, U. S. A. lost 1 cruiser, 2 destroyers, and 1 submarine, and Japan lost 4 cruisers, 1 battleship, 3 destroyers and 1 torpedo boat.

BRITISH MERCANTILE SHIPPING LOSSES, 1914-18 (TONS)

<i>Ships</i>		<i>Total</i>
Merchant	...	7,759,090
Fishing	...	71,765
<i>Total</i>	...	7,830,855

Treaty of Versailles

The Treaty which officially terminated the war of 1914-18 and established the League of Nations for making war impossible in future, was signed at Versailles on June 28, 1919 and ratified in January 1920. Though President Wilson took the most prominent part in the drafting of the peace terms, the U. S. A. Senate rejected the Treaty in which U. S. A. was not eventually a participant.

The principal provisions of the Treaty were : 1. A League of Nations was to be established. 2. Important territorial changes were to be made. Germany had to surrender Alsace-Lorraine to France, Posen and West Prussia to Poland. Austria-Hungary was to be broken up into smaller States, such as Austria, Hungary Czechoslovakia, etc., and some other new States were to be created by territorial readjustment. Danzig was to be a Free City under the League of Nations. Saar was to be administered by the League of Nations and was to be restored to Germany or France under plebiscite. 3. The German army was to be reduced to 100,000 and German fleet was to be surrendered except 6 small battleships, 6 light cruisers, 12 destroyers and 12 torpedo boats and the German navy personnel was not to exceed 15,000 men. 4. Germany was to pay Reparation to the Allies. In 1921 the Reparation Commission fixed £6,600,000,000 as the sum which Germany was to pay as Reparation.

League of Nations

Established in 1920 under the Covenant of the Treaty of Versailles, the League of Nations was originally conceived by President Wilson in his famous 14 points. The American Congress, however refused to join, with the result that U. S. A. has been outside the League since its inception. The Covenant of the League provides for peace and security of the member States of the League, for making aggressive wars impossible in future, and for arbitration in disputes as between member-States. The League may take sanctions against any member State, which commits aggression in defiance of the Covenant. Another important provision is for attempts at disarmament. The League has extensive organizations such as the International Labour Organization, the Permanent Court of International Justice, the Economic Section, etc. The reports and documents published by various departments of the League have been of immense value.

The Assembly of the League is to meet annually at Geneva, each member having one vote. Before December 11, 1939, Great Britain, France, and Russia were permanent members of the Council of the League, which normally met thrice every year. There were 12 other members elected from time to time. When the League condemned Japanese aggression in Manchuria in 1932, Japan left the League. Germany, which had entered the League in 1925, left the League some time after the Nazis had come into power. Soviet Russia joined the League in 1934, which fact appeared to lend some strength to the League, but when it failed to prevent Italy from invading and conquering Abyssinia, public faith in the League received a rude shock.

After the Soviet invasion of Finland the General Assembly of the League, held on December 11, 1939, condemned Russia and expelled her from the League. Since then the League has discontinued its activities. In July 1940, some of the offices of the League were removed to New York and some were shifted to Berne in Switzerland.

DICTIONARY OF POLITICAL AND WAR TERMS.

A. A. GUNS, anti-aircraft guns.

A. B. C. D., abbreviation for America, Britain, China and Dutch East Indies.

ABSOLUTISM, the system of Government with unlimited power.

AERIAL TORPEDO, a torpedo that is fired from an aircraft.

AGENT PROVOCATEUR, French for provoking agent.

AGGRESSION, use of force. A precise definition is difficult. First used in the Versailles Treaty.

AGRARIANS, political representatives of agricultural interests.

AIR BASE, the headquarters from which aircraft operations are carried out.

AIR RAID SHELTERS, underground shelters for the protection of civilians from air attacks.

AIR RECONNAISSANCE, a reconnaissance made with help of aircraft, may be visual or photographic.

AIRCRAFT, for military purpose are *fighters*, *bombers*, and combination of both, *fighter-bombers*.

AIRCRAFT CARRIER, a warship specially designed to carry aircraft, the deck of which can be used as a landing ground.

AIRSHIP, a lighter-than-air flying machine as opposed to aeroplanes, which are heavier than air.

ALERT, a state of preparedness against air-bombing usually indicated by sirens.

AMBASSADOR, a diplomatic agent of the highest order.

ANARCHISM, political doctrine for the abolition of all organized authority and State machinery.

ANDERSON SHELTER, small steel shelter used as protection against air bombing

ANSCHLUSS, German for "joining" used for union between Germany and Austria.

ANTI-COMINTERN PACT, an agreement originally between Germany and Italy and Japan for suppressing the activities of the Comintern. Later joined by Spain, Hungary, Slovakia, Roumania, and Bulgaria. (See *Comintern*.)

ANTI-SEMITISM, hostility towards Jews, now more racial than religious. Germany is the home of anti-semitism from where it has spread to other countries in central and south-east Europe.

APPEASEMENT POLICY, policy of appeasing, commonly used in reference to pre-war British policy of satisfying Hitler and Mussolini.

ARROW CROSS PARTY, the Hungarian Nazi Party.

A. R. P., Air raid precaution.

ATLANTIC CHARTER, Joint declaration by President Roosevelt of America and Mr. Churchill, Prime Minister of Great Britain to the effect that their respective countries stood for the liberation of countries overrun by Axis powers. The declaration was made in 1941 from a warship on the Atlantic.

AUTARCHY, self-rule.

AUTARKY, economic self-sufficiency for a country (often misspelt as autarchy).

AUTHORITARIAN, a term denoting more or less dictatorial system of Govt. as opposed to the democratic.

AUTOCRACY, a form of Government with absolute and unlimited political power.

AUTONOMY, home rule.

AXIS POWERS, Germany and Italy, and later Japan. **ROME-BERLIN**

AXIS, a term denoting political and military unity and collaboration of Germany and Italy.

BACTERIOLOGICAL WARFARE, warfare in which germs are used as weapons.

BAFFLE WALL, Protection wall erected before gates, doors & windows for preventing damage to buildings and for safeguarding inmates from splinters and blasts of bombs dropped from air.

BALANCE OF POWER, the idea that the strength of one group of Powers on any continent should be equal to the strength of the other group, thus ensuring peace.

BALE OUT, TO, descend from a damaged aircraft by means of a parachute.

BAIFOUR DECLARATION, a letter from J. A. Balfour, then British Foreign Secretary to the Chairman of the British Zionist Federation (1917) promising the establishment of a Jewish National Home in Palestine.

BAIKAN ENTENTE, a pact between Greece, Turkey, Yugoslavia and Roumania.

BALKANS, the area comprising Yugoslavia, Roumania, Bulgaria, Greece, Albania & European Turkey.

BALTIC STATES, collective term for Lithuania, Latvia, Estonia and sometimes Finland.

BALTS, people of German stock living in Baltic countries.

BALLOON BARRAGE, protective arrangement of moored balloons to prevent air raiders flying low. Used on land as well as on ships.

BARRAGE, *lit.* any sort of artificial bar, a screen of exploding shells which protects an advancing army, usually of three kinds: 'stationary,' 'creeping' and 'box'. See balloon barrage (above).

BATTLE-CRUISER, a warship intermediate in size and armaments between the battleship and the cruiser. Is lighter and speedier than battleships.

BATTLESHIP, a warship of the first class, also called a Capital ship, carrying the largest guns and the heaviest armour.

B. E. F., the initials of the British Expeditionary Force.

BELLIGERENT, a state which is at war.

BICAMERAL SYSTEM, the system of Government where the legislature has two houses and a Bill to be passed into law is to be passed by both houses.

BIG BERTHA, long-range German guns used in 1918 for shelling Paris from a distance of about 75 miles.

BILATERAL AGREEMENTS, agreements between two parties.

BILLETING, quartering of soldiers on the inhabitants of an area.

BLACK OUT, extinguishing all external lights and shading of all other lights so that no light is visible from the air, a measure of precaution against air raids.

BLACK SHIRTS, Italian Fascists (from their uniform)

BLIND FLYING, directing the flight of an aeroplane with the help of instruments only.

BLITZKRIEG, German for "lightning war", the idea of quickly destroying the opponent by concentrated and annihilating blows.

BLITZ, abbreviation for Blitzkrieg.

BLOC, a group of legislators or members of different parties formed to support a certain measure or cause.

BLOCKADE, the prevention of enemy shipping and of supplies reaching the enemy.

BLOCKHOUSE, a small building forming a kind of fort.

BOLSHEVISM, an alternative name for Communism, used in reference to Russian Communism.

BOLSHEVIK, originally a member of the radical wing of the Russian Social Democratic Party, now (loosely) one who believes in Bolshevism.

BOMB, a hollow shell, usually of metal, filled with explosives to be thrown among the enemy. **HIGH EXPLOSIVE B.**, filled with high explosives has a very great destructive power. **INCENDIARY B.**, contains mixture which starts a fire. **OIL B.**, contains oil to spread conflagration.

- GAS B.**, releases poison gases. **SCREAMING B.**, makes a nerve-racking screech while descending. **SMOKE B.**, produces smoke when it explodes.
- BOMB-CRATER**, a crater-like hole formed on the ground due to the explosive violence of a bomb.
- BOMBERS**, aircraft which exclusively drop bombs from air.
- BOMPROOF SHELTER**, a shelter which can withstand a bomb.
- BOOM**, a chain or bar stretched across the entrance to a harbour. Also a rapid advance in price. &c.
- BOURGEOISIE**. French for "citizen class", a term used by Marxist Socialists to denote the class of proprietors etc., as opposed to the "proletariat", the propertyless class.
- BRAIN TRUST**. nickname given to a body of experts who advised President Roosevelt about the New Deal, hence any body of experts advising on State matters.
- BREN GUN**, a kind of sub-machine-gun.
- BREST LITOVSK, TREATY OF**, the peace concluded on March 3, 1918 between Russia on the one hand and Germany, Austria, Bulgaria, and Turkey on the other.
- BRITISH UNION**, British Fascist movement initiated by Sir Oswald Mosley.
- BROWN SHIRTS**, Nazi storm troops (from the colour of their uniform).
- BUCHAREST, TREATY OF**, the peace treaty concluded between Germany, Austria, Turkey and Bulgaria on the one side and Roumania of the other on May 7, 1918.
- BUFFER STATE**, a small State established or preserved between two greater States to prevent direct clashes between them.
- BUREAUCRACY**, the rule of a class of high officials; the class itself (hence bureaucrat).
- BURMA ROAD**, a road connecting Lashio, the northern terminus of Burma Railways with Chungking, the Chinese capital, the chief route for the supply of arms and ammunition to the Chinese Republic.
- CAMOUFLAGE**, a general term denoting contrivances to hood-wink and delude the enemy by means of dummies, protective coloration, etc.
- CAPITAL SHIPS**, the biggest type of warships such as battleships, battle cruisers and aircraft-carriers.
- CAPITALISM**, the economic system under which the whole economic machinery is in the hands of private owners who run it at their discretion driven by the urge of profit.
- CAPITULATIONS**, treaties granting to foreign citizens the privilege of extra-territorial jurisdiction.
- CASH AND CARRY**, the amendment in the American Neutrality Act which permits sale of war materials to belligerents provided they pay cash, and carry the war materials themselves. The Lease and Lend Act (*q. v.*) has affected this clause.
- CAUCUS**, a conference of a political party or group to determine upon the policy or the candidate to be supported in an election.
- CAUDILLO**, the title assumed by General Franco as head of the Spanish State, *lit.* leader (*cf.* Duce and Fuehrer).
- CENSOR**. an officer who examines letters, telegrams, news, etc., and deletes objectionable portions before they are delivered or published.
- CENTRE**. the party or group which is intermediate between the extreme radical and the conservative elements.
- CERTIFICATION**, an act of the constitutional head by virtue of which a Bill not passed by the Legislature can be enacted into law for a specified period of time.
- CHANCELLOR**. high State official with varying functions, the Prime Minister in Germany and also in former Austria.
- CHANCELLOR, LORD**, the President of the House of Lords and a member of the Cabinet.

CHANCELLOR OF THE EXCHEQUER, the Finance Minister of the British Cabinet.

CHARGE D'AFFAIRES, a fourth-class diplomatic Agent; a person in charge for the time being.

CHEMICAL WARFARE, warfare in which chemistry plays the chief part.

CHINA AFFAIR, the Japanese always refer to their war against the Chinese as the "China affair" or the "China incident."

CIVIL DISOBEDIENCE, non-violent disobedience and defiance of Government.

CIVILIANS, non-combatants; also members of the Civil Service.

COLLECTIVE SECURITY, the principle that all countries should together guarantee the security of each individual country.

COLLECTIVISM, a term covering all political and economic systems based on co-operation and central planning.

COMINTERN, contraction for communist International, the international organization of the Communist Party. The organization has been dissolved in May, 1943.

COMMANDEER, to take over or control commodity for military purposes.

COMMUNISM, a revolutionary movement aiming at the overthrow of the capitalistic system with the object of establishing a 'dictatorship of the proletariat.' The only communistic country in the world now is the U. S. S. R. The Communist theory rejects the idea that Socialism can be achieved by slow, peaceful methods and maintains that Socialism can be achieved only by armed revolution.

CONCENTRATION CAMP, German Nazi institution for detention of opponents of the Nazi regime, without trial.

CONCLAVE, a secret assembly of Roman Catholic Cardinals for the election of a new Pope.

CONCORDAT, an agreement between the Pope and a Government usually referring to Church matters.

CONDOMINIUM, common rule of two

or more nations in a territory, as in the Anglo-Egyptian Sudan.

CONGRESS, the U. S. legislative body consisting of the Senate and House of Representatives. Also India's premier nationalist organization, the Indian National Congress.

CONSCIENTIOUS OBJECTORS, persons who on moral or religious grounds refuse military service.

CONSCRIPTION, system of compulsory military service.

CONSERVATIVE PARTY, at present the majority party in the House of Commons, traditionally the right-wing party in the British Parliament, virtually the governing party since 1924. Present leader, Mr. Winston Churchill.

CONSTITUENT ASSEMBLY, an assembly elected on universal adult franchise to frame the constitution of a country. The slogan has gained much popularity in India since the National Congress declared its adherence to call a Constituent Assembly to frame India's constitution.

CONTRABAND, goods which may be prevented from being delivered to a belligerent by another belligerent.

CONVOY, ships of war to protect merchant vessels in the high seas, also merchant vessels so escorted.

CORPORATE STATE, a State system where the Corporate parliament is elected by professional and trade corporation and not by territorial constituencies.

CORVETTE, a flush-decked vessel having only one tier of guns on upper or main deck.

COUP D'ETAT, French for "stroke of State", a sudden change of Government by force.

CRUISER, fast warship next in size to the battle-cruiser.

DAIL EIREANN, the lower House of the Irish Parliament.

DAWES PLAN, the original amount of Reparations proving an impossible figure, the Dawes plan (after U.S.A.

- State Secretary Dawes) fixed them at 2,000,000,000 marks per year without fixing a definite total amount.
- DAZZLE PAINTING**, painting of ships, aeroplanes, etc., in irregular patches for the purpose of camouflage.
- DE FACTO RECOGNITION**, an act whereby a new Government or State is made a partner in international relations of any kind without being formally recognized.
- DEFLATION**, reduction in money circulation resulting in lowering of prices.
- DE JURE RECOGNITION**, the formal recognition of a new Government or State.
- DEMARCHE** *lit.* a step taken, used only in diplomacy.
- DEMOCRACY**, Government by the people, exerted usually through popular assemblies, by plebiscites and referendums or by representative institutions.
- DEMOCRATIC PARTY**, one of the two great political parties in U. S. A ; President Roosevelt belongs to this party. The other party in Republican party.
- DENIAL POLICY**, a policy whereby the enemy in an occupied country is deprived of materials, factories and means of transport and communications. See Scorched Earth Policy.
- DEPTH CHARGE**, a special kind of bomb for use against submarines. It contains a large charge of high explosive and explodes when it sinks to a certain depth.
- DESTROYER**, originally an abbreviation for torpedo-boat destroyer. A warship smaller than the cruiser.
- DEVALUATION**, a reduction of value of currency.
- DICTATORSHIP**, absolute rule of a person or group.
- DIEHARDS**, extremely orthodox members of the Conservative Party.
- DIET**, Legislative body in Japan.
- DIRECT ACTION**, coercive methods of attaining industrial or political ends.
- DIVE-BOMBER**, a type of bombing aircraft which can dive low and release bombs from very low altitude.
- DIVISION**, an army unit, usually half an army corps, consisting of a number of infantry and artillery brigades with appropriate services.
- DOMINION**, a self-governing member of the British Commonwealth. **D. STATUS**, the status enjoyed by a Dominion of the British Commonwealth, virtually independent except for a nominal tie with the Crown. A Dominion has the right to secede from the Empire.
- DOWNING STREET**, contains the official residence of the Prime Minister of Britain (No. 10), of the Chancellor of the Exchequer (No. 11), and also the Foreign Office.
- DUCE**, Italian for a leader, title assumed by the Italian Dictator, Benito Mussolini.
- DUG-OUT**, a rough dwelling dug out in a trench as a shelter.
- E-BOAT**, a small German fast motor torpedo-boat.
- ECONOMIC PENETRATION**, the establishment by one country of a dominant position in the economy of another country with a view to subsequent political control.
- EMBARGO**, a ban on the export of certain classes of goods.
- ERSATZ**, German for substitute.
- EMERGENCY POWERS**, the powers which the Government or the head of the State can exercise when the country is in a state of emergency, in supersession to the legislature.
- EMERGENCY POWERS (DEFENCE) ACT**, an Act passed by Parliament empowering Government to make regulations by "Orders-in-Council", necessary for the defence of the realm or in the interest of public safety.
- EMPLACEMENT**, platform for stationing a gun.
- ENCIRCLEMENT**, a German slogan denouncing alliance between Britain, France and any Eastern European Power to stop German aggression.

ENTENTE CORDIALE, the cordial understanding reached between Great Britain and France in 1904.

EVACUATION, removing certain classes of people, usually children and old people, from a vulnerable area to a safer place.

EVACUEE, a person evacuated.

EXTRADITION, delivering up by one Government to another of a fugitive from justice.

EXCESS PROFITS DUTY, the tax levied by the State on all profits above a certain limit.

FALANGE, the Spanish Fascist Party.

FALANGISTS, Spanish Fascists.

FASCISM, Italian national movement founded by Mussolini. F. Party, the only authorized political party in the country. The programme of the party is nationalistic, authoritarian, anti-communistic and anti-parliamentary. The Fascist Party claims to be neither capitalistic nor socialistic and favours the corporate State.

FEDERAL UNION, a proposal first made by Clarence M. Streit for a federation of U. S. A., Britain, British Dominions, France, Belgium, the Netherlands, Sweden, Norway, Denmark, Finland and Switzerland as a preliminary stage to a later world federation.

FEDERATION, voluntary union of States for national or general purposes, while remaining independent in home affairs. The 1935 constitution of India envisaged a federation at the Centre to be arrived at between British Indian provinces and the Indian States. This was to have been inaugurated in 1940 but had to be postponed for the war.

FIANNA FAIL, the radical nationalist party of Eire, under the leadership of Mr. de Valera, the Prime Minister.

FIFTH COLUMN, people and organizations in a country, who are prepared to give active assistance to an enemy or a potential one. First used during

the Spanish Civil War, when General Franco attacked the Republicans in four columns while the "fifth column" or secret adherents organized sabotage and espionage inside the Republicans' ranks.

FIGHTERS, aircraft which are used in fighting and destroying enemy aircraft, bombers or fighters. These have greater speed than bombers and are fitted with machine guns and cannon.

FINE GAEIL, the moderate nationalist party in Eire led by Mr. Cosgrave.

FIVE-YEAR PLANS, the economic plans of the Soviet Union (1927-1932; 1932-1936 and 1937-42) with a view to establishing autarky ultimately.

FLAG SHIP, the warship in a fleet or squadron in which the Admiral or the naval commander of that fleet or squadron sails and which carries the flag of the command.

FOURTEEN POINTS, the terms laid down by President Wilson in January 1918 to liquidate the world war, also referred to in regard to Mr. Jinnah's claims for the Moslems in India.

FOUR-YEAR PLANS, German economic plans after the Russian model (1933-36; 1937-40).

FREE FRANCE MOVEMENT, a movement started by the French General Charles de Gaulle, who escaped from France after her capitulation and organized French resistance to the "Axis" Powers.

FREE PORT, a port in one State in which another State is granted the right of using it as though it were her own.

FREE TRADE, the system of unrestricted commerce between different countries.

FUEHRER, title assumed by Hitler, *lit.* leader.

FUSE, a means of igniting an explosive at the required instant.

FUSILLAGE, the body of an aeroplane.

FUSILLADE, continuous discharge of fire arms.

GAS, the general name to describe the poisonous and irritating chemicals discharged against hostile troops, irrespective of whether the substances used are actually gases, liquids or solids. **G. BAG**, the container to hold the gas in an airship. **G. HELMET**, **G. MASK**, device for protection against gas attack. **G. SHELL**, a shell which discharges gas on explosion.

GENTLEMEN'S AGREEMENT, an informal agreement without any formal treaty.

GESTAPO, *abb.* for "Geheime Staatspolizei", the German secret police.

GOLD STANDARD, the system of currency under which bank notes can be changed into gold at a fixed rate at any time.

G. P. U., Soviet secret police (also **O G P U**).

GUERRILLA WAR, the mode of warfare in which desperate persons harass the victor's army in occupied regions. Guerillas may act singly or in small groups and their method of warfare is secret.

GUILD SOCIALISM, the British form of Syndicalism.

GUN, a firearm or Weapon from which balls or other projectiles are discharged usually by the explosive force of gunpowder—cannon, rifle, revolver,

ANTI-AIRCRAFT G., designed for shooting at flying aeroplanes. **ANTI-TANK G.** fires high-velocity bullets penetrating the armour of tanks. **LONG-RANGE G.**, a gun which can send its projectiles to a very long distance. **MACHINE G.** an automatic gun firing bullets in rapid succession.

GUNS BEFORE BUTTER, a slogan first used by Goering urging German workers to sacrifice food to make more war materials.

HAND GRENADE, a small bomb thrown by hand.

HARTAL, a temporary suspension of normal business activities, specially in India, as a mark of protest.

HAVANA, DECLARATION OF, a declaration made by the Pan-American Conference at Havana on July 30, 1940 to the effect that the transfer of any territory in the Western Hemisphere to non-American Power will not be recognized.

HIGH-EXPLOSIVES, explosives with a high velocity of detonation, have much more destructive powers than ordinary explosives like gunpowder.

HITLER YOUTH, a branch of the Nazi Party to which all Germans from 14 to 21 years must belong.

HOME RULE, a slogan of the former Irish nationalists for self-govt. Now used for all sorts of national or minority autonomy movement.

HORST WESSEL SONG, a song written by a Nazi, Horst Wessel, the Nazi party anthem and the second National Anthem in Germany.

HOWITZER, heavy gun of varying range used by the army.

HUNGER STRIKE, abstention from food. Hungerstrikes have been resorted to by detenus and political prisoners to redress their grievances.

IMPERIALISM, in the broad sense it denotes a tendency to build great empires usually through conquest and annexation; in the narrower sense it relates to the British Empire and denotes the tendency towards strengthening the connexions between the different parts of the Empire.

IMPERIAL PREFERENCE, the granting of lower tariff duties on Empire products

INDEPENDENT LABOUR PARTY, a small group in British labour being midway in conviction between the Labour Party and Communism.

INDIAMEN the name assumed by a group of Anglo-Indians and Europeans domiciled in India.

INFLATION, the expansion of money circulation resulting in prices going up.

INTERNATIONAL LABOUR ORGANIZATION, an international body, set

up under the League Covenant, with four constituent bodies : the General Conference ; the Governing body : the Auxiliary Organs ; and the International Labour Office (I. L. O.). The offices have now been transferred to America.

INTERNATIONALE, L', the international anthem of Socialists and Communists and also the national anthem of the U. S. S. R.

I. R. A., initials of the Irish Republican Army, a revolutionary body.

IRON GUARD, the Roumanian Nazi Party.

ISOLATIONISM, a body of political opinion in the U. S. A. favouring non-involvement in European affairs.

JEWISH AGENCY, a body instituted by the League Mandate for Palestine to represent the Jewish side in matters concerning the establishment of a Jewish National Home in Palestine.

KELLOG PACT, an agreement signed in 1928 by the then U. S. Secretary of State, Frank B. Kellog, and the French foreign Minister, M. Briand, by which the signatory nations (almost all in the world) condemned war as an instrument of settling international disputes and undertook to settle such disputes by peaceful methods. Also known as the Kellog-Briand pact.

KREMLIN, the seat of the Soviet Government in Moscow.

KUO MIN TANG, the Chinese Nationalist party founded by the late Dr. Sun Yat-sen.

LABOUR PARTY, British Socialist party (Leader Mr. C. R. Attlee) was in the opposition after 1931. accepted office in the National Government under Mr. Churchill in May 1940.

LEAGUE OF NATIONS, an international body set up at Geneva in 1920 under the Covenant of the Treaty of

Versailles and other peace treaties. Some of its offices have been transferred to America. Since the war started it has practically displayed no activity.

LEASE AND LEND ACT, is an act passed by the U. S. Congress on March 12, 1941, for empowering the President of U. S. A. to sell, exchange, transfer, lease or lend any defence article to any government whose defence the President regards essential to the defence of the United States. The Act secured war supplies to Britain and the Allies on a credit basis as against the provisions of the Cash and Carry Law. The provisions of the Act have been applied to India and other Dominions.

LEBENSRAUM, German for "living-space", a new slogan for German expansion

LIBERAL PARTY, successor to the Whig Party (Leader, Sir Archibald Sinclair), stand for free trade, rejects Socialism and all forms of continental dictatorship including Communism. Was in opposition but joined Mr. Churchill's National Government in May 1940.

LOCARNO, TREATY OF, concluded in 1925 between France, Britain, Germany, Italy and Belgium by which Germany recognized the demilitarization of the Rhineland. Germany, France and Belgium undertook to maintain their present mutual frontiers and to abstain from using force against each other.

LOW, COUNTRIES, collective name for Holland, Belgium and Luxembourg.

LUFTWAFFE, official name for the German Air Force.

MAGINOT LINE, the French system of elaborate underground fortification from the Swiss frontier to Malmedy, built 1927-35 under the direction of Maginot, then French War Minister. A lighter fortification ran from Malmedy to the sea along

the Belgian frontier and it was this that was pierced through by the Germans in May 1940.

MANDATE, a system of colonial administration adopted for certain ex-Turkish and all ex-German colonies, by which the territories in questions were transferred to the League of Nations, which entrusted their administration to certain Allied Powers.

MARXISM, the Socialist doctrine following the theories of the German social philosopher Karl Marx (1818-83).

MILITIA, the name sometimes given to the troops of the second line of a national army.

MINE, is a special kind of bomb used for both defence and offence. **FLOATING MINE** is a variant of the "submarine" type. **LAND-MINES** are used for protecting a land frontier and explode on the enemy appearing over the place they are situated.

MAGNETIC MINE, an electro-magnetic circuit which on being disturbed by the magnetism of an approaching vessel explodes. **SUBMARINE MINES** are sunk at suitable depths and usually explode on coming in contact with a ship. **MINE FIELD**, an area (in land or sea) sown with mines. **MINE-LAYING**, the sowing of mines done with the help of surface vessels or by means of aeroplanes. **MINE-SWEEPER**, a vessel specially fitted for hunting mines and rendering them harmless.

MORIS VIVENDI, informal agreement between Pope and a Government; also used for other provisional or informal agreements in political life.

MOLOTOV'S BREADBASKET, the nickname of a type of bomb first used in the Soviet-Finnish War which on being exploded scatters a large number of smaller bombs.

MONROE DOCTRINE, a principle of American policy first enunciated by President Monroe declining any European intervention in political affairs of the Americas.

MORTAR, a type of canon designed to throw shot or shell short distances at high angles of elevation.

MOST-FAVOURLED NATION CLAUSE, a frequent clause in trade treaties whereby a signatory undertakes to extend to the other signatory automatically any favour granted to a third country.

MULTILATERAL AGREEMENTS, agreements to which more than two countries are parties.

MUNICH AGREEMENT, the agreement signed on Sept. 29, 1938, between Germany, Great Britain, France and Italy, providing for the cession of Sudeten-German districts of Czechoslovakia to Germany and the guaranteeing by each signatory to maintain the frontiers of the new Czechoslovak State.

NATIONAL LABOUR PARTY, an offshoot of the Labour Party formed by J. R. MacDonald in 1981 to remain in the National Government contrary to the policy of the official Labour Party.

NATIONAL LIBERAL PARTY, a section of the Liberal Party which seceded from the party when Liberals left the National Govt. in 1981.

NATIONALIZATION, change from private to State ownership of trades, industries, etc.

NATIONAL SOCIALISM, the German nationalist movement under Adolf Hitler. The National Socialist Party is the only permitted political party in Germany and is based on the models of the Italian Fascist Party. Though its name is National-Socialist it is more nationalist than Socialist. The Party is intensely anti-Communist, anti-Jewish and anti-Catholic. Hitler is the supreme leader of the party having absolute power and nominating all sub-leaders. The party has organization for controlling Germans almost everywhere in the world. The party came to power in 1933.

NATURALIZATION, admitting aliens to citizenship.

NAVAL BASE, the headquarters where warship are concentrated and from where naval operations are carried out.

NAVAL TREATY OF LONDON, concluded March 25, 1936, between Great Britain, U. S. A. and France with a view to limiting naval armaments. Italy joined later while Japan chose not to join the treaty.

NAVICERT, a certificate, issued by a British Consul in a neutral country, signifying that a neutral ship does not carry contraband. Ships and cargoes are liable to be seized by British Navy in the absence of navicerts.

NAZI, contraction for German National-Socialists.

NEUTRALITY ACT, the first American Neutrality Act was passed in 1935 and renewed in 1937. Arms supplies were completely forbidden and certain other supplies permitted only on the cash-and-carry basis. As amended in November 1939, the Act repealed the arms embargo and allowed the sale of arms on the cash-and-carry basis. (See also *Lease and Lend Act*.)

NEUTRALITY ZONE (AMERICAN), a zone of 800 miles and in some places up to 600 miles around the U. S. and the South American continent established by the Conference of 21 American Republics at Panama in October 1939. Warlike acts in this zone were prohibited but so far the zone has not come into practical existence.

NEW DEAL, the policy adopted in 1933 by President Roosevelt to overcome the great economic crisis which broke out in the U. S. A. after 1929. The basis of the New Deal was the National Recovery Act (N. R. A.) through which Govt. initiative was introduced as the leading factor in the country's economic trend.

NIHILISM, from *nihi*—nothing, an intellectual current in Russia in the sixties recognizing no authority,

doubting every general principle and value, and standing for the freedom of the sovereign individual.

NINE-POWER AGREEMENT, a treaty regarding China concluded in 1923 between Great Britain, United States, Japan, China, France, Italy, Portugal, Belgium and the Netherlands.

NO MAN'S LAND, ground between trenches or strongholds of opposing forces; also the ground between the frontiers of two countries *e.g.*, the hilly tracts between N.-W. F. P. and Afghanistan,

NON-AGGRESSION PACT, an agreement between two countries to abstain from the use of force against each other and to settle any difference by peaceful means.

NON-BELLIGERENCY, a term denoting the attitude of a country which though technically neutral openly supports one of the belligerents.

NOSE-DIVE, a sudden swift descent of an aeroplane with the forward end foremost

NORDIC, a term denoting the Scandinavian countries and their people. According to the German racial theory the Nordic race is the highest developed human type (though scientists refuse to believe in the existence of a pure Nordic type), the Germans are primarily Nordic and it is their destiny to rule over other races.

NUNCIO, Papal envoy in foreign capitals.

O G P U, alternative for G. P. U., the Russian Secret Police.

OPEN DOOR, POLICY, the policy of keeping trade open to all comers on equal terms.

OPEN CITY OR TOWN, one which contains no military objectives.

ORDERS-IN-COUNCIL, regulations passed under the Emergency Powers Act by the King with the advice of the Privy Council.

OSLO CONVENTION, an agreement concluded in 1937 at Oslo between Norway, Sweden, Denmark, Finland,

Holland. Belgium and Luxemburg with a view to stressing a liberal trade policy and facilitating mutual trade of the signatories. O. POWERS, the signatories to the above.

OTTAWA AGREEMENTS, the agreements concluded in Ottawa in 1932 at the Imperial Economic Conference securing mutual tariff preference to the members of the British Commonwealth.

O V R A, the Italian Secret Police.

PACIFISM, the movement for the abolition of war.

PAKISTAN, *lit.* holy land, a scheme put forward by the Moslem League to divide India into Moslem and Hindu sovereign-States so as to end the communal trouble. The scheme has not yet taken a definite shape.

PANAMA, DECLARATION OF, established a neutrality zone round the American continent (Oct. 3, 1939).

PAN-AMERICAN CONFERENCE, the annual conference of the 21 Republics of America forming the Pan-American Union.

PAN-AMERICAN UNION, the organization of all the 21 American Republics fostering political and economic collaboration among themselves.

PAN-ARABIC MOVEMENT, the movement for an all-Arab State or a federation of Arabic countries.

PAN-ISLAMISM, a movement striving for close political co-operation between Islamic peoples with a view to ultimate setting up of an all-Islamic empire or federation.

PANZER, German tank corps.

PARACHUTE, an umbrella-like contrivance for descending from a moving aircraft. P. FLARE, a flare attached to a parachute dropped from a bomber to illuminate the target below, used during night raids. P. TROOPS. PARACHUTISTS, soldiers who are carried by air and descend with parachutes, usually behind enemy lines to commit acts of sabotage and spread confusion, etc.

PARASHOTS, specially trained troops in England to meet the parachutists during the present war.

PERMANENT COURT OF INTERNATIONAL JUSTICE, an international court set up at The Hague, Holland (1921) in accordance with the League Covenant, which decides contested cases for League members and certain non-members on questions of interpretation of treaties, international law, international obligations, breaches thereof and reparations therefor.

PICKETING, preventing people from entering shops, factories, etc., so as to make them desist from patronizing or working in them.

PILL-BOX, a small concrete block-house usually equipped with machine-guns.

PLEBISCITE, an expression of the will of a whole nation or a people on particular points.

PLUTOCRACY, the rule of the rich.

POCKET BATTLESHIP, light armoured small-sized German battleship attaining very high speed and having six 11-inch guns.

POGROM, a Russian word meaning 'destruction' used to denote anti-Jewish outrages.

POLITBUREAU, the Political Bureau of the Communist Party in Russia.

POM POM, a kind of quick-firing naval gun.

POPULAR FRONT, a suggestion for political collaboration of Communists, Socialists and other democratic elements against Fascism put forward by the Communist Internl. in 1935.

POURPARLER, an informal preliminary conference.

PREVENTION OF VIOLENCE (TEMPORARY MEASURES) ACT, an Act passed in July 1939 to enable the Government to deal with the activities of the I. R. A. (*q. v.*).

PRIZE COURT, a tribunal set up in war time to decide whether a captured ship and its cargo are lawful prize or not, for the crew and the naval officers and ratings.

PROFITEERING, making excessive profits by exploiting a national crisis.

PROHIBITION, Government action prohibiting manufacture and sale of intoxicants.

PROLETARIAT, the class of wage-earners who have no property of their own.

PROPORTIONATE REPRESENTATION, an electoral system by which each party has representation in the elective body in proportion to its strength.

PROTOCOL, the rough draft of any document, usually used in reference to diplomatic documents.

QUISLING, a traitor, or fifth columnist. From the Norwegian politician of the name.

R. A. F., initials of the Royal Air Force.

RATIONING, fixing and arranging for the distribution of the quantities of foodstuffs and other commodities that can be used by individuals, during a national emergency.

RECONNAISSANCE, the examination of a tract of country for military operations.

RED ARMY, the Soviet Army.

REDS, Communists (used in a derogatory sense).

REGIA AERONAUTICA, the official name of the Italian Air Force.

REICH, THE THIRD, means the present German State. Germany is also referred to simply as the Reich.

REICHSTAG, the name of the German Parliament.

REICHSTAG FIRE, the fire of the German Parliament House on February 27, 1933 believed to have been organised by Nazis to create a pretext for crushing opponents.

REICHSWEHR, name applied to the German army as a whole.

REPARATIONS, the war indemnities to be paid by Germany under the Versailles Treaty. They were fixed at 132,000,000,000 marks in gold and

modified later by the Dawes Plan (q. v.) and again by the Young Plan (q. v.) The total payment made by Germany under various plans totalled about 17,000,000,000 marks. An international conference at Lausanne in 1932 abolished the reparations altogether.

REFERENDUM, submission of legislative questions directly to the vote of the entire electorate.

REPUBLICAN PARTY, one of the two great American political parties.

RIGHT, the more orthodox and conservative party or group is referred to as the Right.

S.A., contraction for *Sturn-Abteilung*, storm troop, the Nazi party army.

SAADABAD, PACT OF, an agreement concluded in 1934, between Turkey, Iraq, Iran and Afghanistan.

SABOTAGE, malicious destruction of property, particularly public utilities.

SABOTEUR, one who commits sabotage.

SANCTIONS, measures taken under article 16 of the League Covenant to enforce the fulfilment of international treaty obligations.

SATYAGRAHA, non-violent civil resistance in India.

SATYAGRAHI, one practising *satyagraha*.

SCORCHED EARTH POLICY, the policy by which everything likely to be useful to the enemy is destroyed before the approach of an advancing enemy. 'Scorched earth' policy was first introduced by the Russians when Napoleon with his victorious army marched into Russia and had to leave the country in despair as he could not maintain his army in the face of scorched earth policy. In the present war the Russians have successfully scorched towns and villages before these have been captured by the Germans. This policy has very commonly been resorted to in many other theatres of the present World War.

SCUTTling destroying or sinking a ship so as to prevent the enemy capturing the same.

SELF-DETERMINATION, the principle that every distinct people or nation should have the right to determine its form of Government and political destiny.

SHELL, a strong metal case filled with explosive and discharged from a gun.

SHELL SHOCK, a nervous complaint brought about by the explosion of a shell near the subject.

SIEGFRIED LINE, the German counterpart of the Maginot Line, (q. v.) constructed 1938, also known as the Westwall.

SIREN, specially constructed contrivance for sounding loud warning about the approach of enemy aircraft. **ALL CLEAR**, a long and continuous cry of the siren indicating that enemy planes have disappeared.

SIT DOWN STRIKE, a strike in which the workers do not leave the plant but stay there idly.

SLIT TRENCH, trench of different shapes and sizes dug into earth for giving temporary protection against air-raids.

SMOKE SCREEN, a screen of thick smoke put up to hide movement of troops, ships, etc.

SOCIALISM, "a theory or policy of social organization which aims at or advocates the ownership and control of the means of production, capital, land, property, etc., by the community as a whole and their administration and distribution in the interests of all."—*N.E.D.*

SOKOL, Czech national gymnastic movement.

S. O. S., distress signal sent out by sinking ships.

SOVIET, Russian word meaning "council". Workers' councils or Soviets emerged first in the Russian revolution of 1905. Reappeared in 1917 and became the organs of the Communist revolution and later of the Russian Administration. The

amended constitution of 1936 changed their function substantially. The term "Soviet" is loosely used for the Soviet Union also.

SPHERES OF INFLUENCE, certain countries or parts of countries in which another power desires to exert exclusive influence, without actually annexing them.

SS, initials of German 'Schutz-Staffel' protective squadron, a select branch of the Nazi party army.

STIRRUP PUMP, a kind of portable pump worked by hand and very useful in Air-Raid Precaution for putting out fires caused by bombs.

STRAFE, a military colloquialism to mean punish severely.

STRATEGY, the act of directing troops, etc. in war.

STRESSA FRONT, the grouping of Powers at the Stresa Conference in 1934, called by Mussolini to discuss problem of the Danubian Basin.

SUCCESSION STATES, States set up after the Great War of 1914-18 on the territory of the Austro-Hungarian Empire. They included Austria, Hungary, Czechoslovakia, Poland, Roumania and Yugoslavia.

SWASTIKA, a hooked cross, the symbol of Nazis.

SYNDICALISM, a revolutionary movement making trade unions the basis of social revolution as well as of future society.

TACTICS, the art and science of arranging and using military and naval forces in time of war.

TAIL-DIVE, a sudden descent of an aeroplane with the hinder part foremost.

TANK, a strongly armoured military motor vehicle armed with quick-firing and machine guns.

TANKER, a vessel specially made to carry oil in bulk.

TEAR GAS, a poisonous gas which produces tears. **TEAR GAS BOMB**, **TEAR SHELL**, a bomb or shell which

explodes with the diffusion of tear gas.

TERRITORIAL WATERS, a three-mile belt of sea contiguous to a State, on which, by international law, the State exercises sovereign rights.

TOMMY GUN, handy submachine gun which can be used even by privates. The word 'Tommy' means private.

TRENCH MORTAR, a species of small cannon with a fixed angle of elevation largely used for throwing bombs on the opposing trenches.

TORIES, old name of Conservatives. Orthodox Conservatives are even now called Tories.

TORPEDO, a self-propelled engine of war charged with high explosive, which explodes under water with terrific force by contact, concussion, etc. when brought into contact with any object. Also to hit with a torpedo.

TORPEDO-BOAT, a small swift vessel which discharges torpedoes.

TORPEDO NET, a net work of steel links extended by booms round about a vessel to intercept torpedoes fired at it.

TORPEDO TUBE, the gun from which a torpedo is discharged.

TOTAL WAR, a term to denote the present form of war in which the distinction between combatants and non-combatants is fast disappearing.

TOTALITARIAN, denotes the single-party dictatorial form of Governments based on the theory of the "totality of the State."

TRADE UNIONS, associations of workers and other employees for common representation of the employees.

T. U. C., the initials of Trade Union Congress, the common organization of British trade Unions.

U-BOAT, German submarine, the German for which is *unterseeboot*

ULSTER, often used for Northern Ireland, The old Irish province of Ulster contained nine counties, only

six of which are included in Northern Ireland.

U. S. A. F., United State Air Force.
U. S. S. R., abbreviation for the Union of Socialist Soviet Republics.

VATICAN, the seat of the Pope, a sovereign State.

VERSAILLES, TREATY OF, the peace treaty ending the war of 1914-18, concluded between the Allied and Associated Powers and Germany on June 28, 1919.

VETO, the right of the executive head to refuse to approve a piece of legislation.

VICHY, the seat of the French Government since France's capitulation in June 1940. The present Government of Marshal Petain is known as Vichy Government.

WAFD, the leading nationalist party of Egypt.

WALL STREET, the site of the new York Stock Exchange, hence used for denoting American banking and finance interests.

WESTMINSTER, STATUTE OF, a document regulating the relations between the members of the British Commonwealth, passed in 1931 giving formal ratification to the declarations of the Imperial Conferences in 1926 and 1930. The document established equality of the members of the British Commonwealth.

WHIGS, old name of British Liberals
WHIP, a member of a legislature entrusted by his party with the organization of voting.

YOUNG PLAN, after the failure of Dawes Plan, the Young Plan fixed the German reparations at 87 milliard marks payable in 59 annual instalments.

ZIONISM, a Jewish movement to restore Jewish State in Palestine.

THE BIG FIVE OF THE WEST

CHURCHILL

CHURCHILL, Winston Leonard Spencer, born November 30, 1874, the eldest son of Lord Randolph Churchill and an American mother. Educated at Harrow, he passed through Sandhurst into the army. In 1895 he went to Cuba and was attached to the Spanish army during the war with the United States. There, as a war correspondent, he won repute as a writer. In 1897 and in 1898 served on the Indian frontier and in the latter year was attached to the campaign that led to the fall of Khartoum. In both he combined his military duties with those of a war correspondent. In the South African War, Churchill was a war correspondent of *The Morning Post*, and was taken prisoner by the Boers but escaped.

Entered politics in 1900 as a Conservative M. P. from Oldham. Opposed Mr. Joseph Chamberlain's tariff reform policy, stood for free trade. Left his own party and joined the Liberals. Under-Secretary for Colonies in 1905 under Sir A. Campbell-Bannerman; President of the Board of Trade in 1908 in the Asquith Government and was responsible for the introduction of Labour Exchanges. Transferred to the Home Office in 1910. First Lord of the Admiralty in 1911, supported Irish Home Rule Bill in 1912. While in the Admiralty he carried out many reforms. After the outbreak of the Great War of 1914-18, which he had predicted, was responsible for directing the early activities of the Navy. In 1915, after the formation of the Coalition Ministry he was relegated to a minor Cabinet post and excluded from the inner Cabinet. Churchill resigned and went to the front in France. In 1917 he again entered the Cabinet, as the minister of Munitions. Rendered meritorious service and was transferred to be War Secretary in 1919, which position he held till 1921. As Colonial Secretary from 1921 to 1928 he supported the Irish Settlement of 1922. His views once again were unfavourable to his party and in 1929 he was rejected by his Dundee Constituency. Retired from politics temporarily, wrote his great six-volume work on war and pre-war politics, *The World Crisis*. Re-entering politics in 1924, he went back to the conservative Party and was returned to Parliament from the Epping constituency in September 1924, a seat he has held since. In the Baldwin Government he was the Chancellor of the Exchequer in November 1924.

Churchill held no office from 1930 up to the outbreak of the present war, but was a very active member of Parliament taking keen interest in foreign affairs, both in the House and outside. Up to 1933 he favoured a policy of France not disarming but urged that the grievances of Germany should be redressed. When the Nazis came to power in 1933, Churchill foresaw all it stood for and advocated a policy of quick British rearmament particularly in the air, a policy which was not heeded to. In the Spanish Civil War he advocated the policy of neutrality and supported non-intervention. Many of the coming events in Europe such as the German expansion in Central Europe and Hitler's intention of world domination were foreseen by him. Very clear in his mind about the Nazi intentions, he naturally was severely critical of the appeasement policy and urged a policy of resisting aggression along with Eden and Duff Cooper. In 1938 he rejected in severe terms the Munich Agreement, but had the satisfaction of seeing Chamberlain adopting in 1939 the

policy he (Churchill) had advocated. With the outbreak of the present war, he was taken into the War Cabinet as the First Lord of the Admiralty. On May 11, 1940 he was unanimously appointed Prime Minister of the National Government in which the Opposition joined. On the outbreak of the War in the Far East on Dec. 7, 1941, Churchill went to U. S. A. where he held prolonged discussions with President Roosevelt and Representatives of other Governments on the grand Allied strategy against the Axis powers and particularly against Japan. Returned to England in January 1942. Later in the same year he went once again to U. S. A. and had a third meeting with President Roosevelt at Casablanca before the Tunisian campaign. Visited Russia in August 1942 and had long discussions with Stalin and other Russian leaders about Allied Strategy. Went to U. S. A. for a fourth meeting with President Roosevelt, in May 1943.

One of the most popular figures in British politics, his firm stand against the Nazi-Fascist menace has already marked him out as a national hero. Churchill is a powerful and masterly orator. He is one of the finest writers and wields his pen with equal power and conviction on biographical, political, historical, and military subjects. In addition to his great work *The World Crisis* already referred to, mention may be made of *The Aftermath*, *Thought and Adventures*, *Great Contemporaries* and his standard biographical works on Marlborough and Lord Randolph Churchill, his father.

MUSOLINI

MUSOLINI, Benito, son of a blacksmith, was born on July 29, 1883 at Predappio in the province of Forlì. Became a socialist and went into exile in Switzerland in 1902. On his return to Italy he advocated a radical and anti-reformist programme in the Socialist Party. Entrusted in 1912 with the direction of the *Avanti*, the organ of the Socialist Party. On the outbreak of war in 1914, he turned nationalist and advocated Italian intervention in the war. Expelled from the Socialist party for this, he founded his own paper *Popolo d'Italia*, in which, it is believed, he still writes occasionally. Was a leader of the interventionists and joined the Italian army as a private. Was a corporal when Italy declared war in May, 1915. Seriously wounded in 1917 he returned to his journalistic activities.

The comparatively small gains to Italy at the conclusion of the war with its consequent disappointment and the spread of left wing radicalism led him to form the first *Fascio di Combattimento* at Milan on March 23, 1919 with a nationalist and anti-Communist programme. The party, which had only 40 members at its inception and polled only 4,000 votes in 1919, grew rapidly and as the result of an agreement with Giolitti's Liberals, captured 38 seats in the Chamber but did not agree to enter the Government. The movement had by this time come to be known as Fascism.

The political condition in Italy became chaotic in 1922; Radical Socialists attempted seizure of power and occupied factories. Governmental authority failed to assert itself. A Fascist Party Congress was held in Naples and 40,000 Fascists staged the famous "March on Rome". The march took place on October 28, 1922 and Mussolini, who had now become the *Duce*, or leader of the party, demanded power, and was appointed Prime Minister by King Victor Emmanuel. The first Government of Mussolini contained a few members of other parties. Resistance offered by Socialists was broken. In

1923, Mussolini decreed that two-thirds of the seats should go to the party polling at least a quarter of the votes and the election in 1924 resulted in a large majority for the Fascists. The assassination by extreme Fascists on June 10, 1924, of the Socialist leader Matteotti resulted in a crisis. The opposition parties in Parliament walked out of the Chamber and refused to have anything to do with the Government. A *coup d'état* in 1925 secured dictatorial powers for Mussolini. The opposition parties were suppressed the next year, the leaders persecuted and the parliamentary mandates of the parties were cancelled. The following years were devoted to setting the house in order. Internal organization of the country on Fascist lines went on including rearmament, nationalist education and some amount of economic development.

Even as late as 1934 Mussolini's foreign policy was not pro-German in spite of friendly relations between the Nazi and Fascist parties. In July 1934 when Hitler attempted to seize Austria, Mussolini mobilized the Italian army along the Austrian frontier. In 1935 Mussolini set to annex Abyssinia. The futile sanctions taken against him did not prevent him from achieving his object. On the other hand he was alienated from the Western Powers and threw himself in the outstretched arms of Hitler. Mussolini's imperial ambition was somewhat satisfied and the King was proclaimed Emperor of Ethiopia. Collaboration with the Nazi *regime* increased subsequently and was particularly evident during the Spanish war.

In 1938 he acquiesced in the German *Anschluss* with Austria. Hitler and Mussolini exchanged visits. Formerly Mussolini had ridiculed Nazi racial theories and had declared anti-Semitism foreign to the Italian people but now he too adopted anti-Jewish legislation. Gave diplomatic support to Hitler during the Czech crisis and was a party to the Munich Agreement. Seized Albania in March 1939. A formal military alliance with Germany was concluded in May 1939.

With the advent of the war, Mussolini openly supported Hitler for eight months though technically a neutral. Italy remained what is now called non-belligerent. On June 10, 1940 when France was on the verge of collapse Mussolini declared war on the Allies. The same year followed his Grecian campaign. An ultimatum was presented to Greece on October 28, but was rejected and the Italians advanced on Greece. The failure of the Greek adventure and the Italian reverses in Africa and in naval battles in the Mediterranean have come as a great blow to the prestige of the Duce. After the reverses suffered by the Italian armies in East Africa in 1941 and in Libya and Tunisia in 1942-43, Mussolini has come to be regarded as a figure only secondary to Hitler in the Axis countries and politics in Europe.

Officially known as the *capo del governo* (head of the Government), Mussolini, in addition to his premiership, holds the portfolios of Interior, War, Navy, Air and Italian East Africa, and Foreign Affairs.

HITLER

HITLER, Adolf, was born on April 20, 1889, at the frontier town of Braunau in Austria. Attended the lower classes of a secondary school at Linz in Austria and later went to Vienna to study painting, where he was refused entry to the Viennese Academy of Art; worked for some time as a bricklayer

and later lived on the small income from the sale of coloured post-cards. The current story that he was a paper-hanger does not seem to be based on fact.

The school days at Linz had given him a pan-Germanic bias and in Vienna, fond of talking politics, he voiced anti-Hapsburg, anti-Socialist and pan-German views. In 1911 he was in Munich and there he lived on the occasional sale of little paintings. At the outbreak of war in 1914, he joined the German army as a volunteer, served as an orderly in the Western Front all through the war but reached no rank higher than that of a lance-corporal. An injury from mustard gas towards the end of the war temporarily cost him his eyesight.

Returned to Munich after the war and was employed as a secret agent by the *Reichswehr* to supervise political meetings. Here Hitler came in contact with Drexler and his so-called German Labour Party. Hitler joined the party and agitated for its enlargement. The party grew and Drexler was ousted, Hitler becoming the leader. The name of the party was changed into the National Socialist German Labour Party. The party made an abortive *Putsch* in 1923 and Hitler was sentenced to five years' confinement at the fortress of Landsberg. Here he wrote the first volume of *Mein Kampf*. Influential friends interceded for him and he was released only after eight months of detention. During the years 1925 to 1927 he set to reconstructing the party. The second volume of *Mein Kampf* was written during this period.

In 1928 the Nazi party obtained only 12 seats in the Reichstag but the number rose to 106 in the 1930 election with the backing of large industrialists whom Hitler had promised to protect from the gathering forces of communism. He contested for the presidential honours on April 10, 1932 but was defeated by von Hindenburg, who refused Hitler's demand for the Chancellorship, when on July 31, the same year, Hitler was returned to the Reichstag with 13,700,000 votes. In the next election (November, 6, 1932), the Nazis had a set-back and Hitler polled only 11,700,000 votes. Hitler was appointed Chancellor, with a Cabinet composed of Nazis and Nationalists on January 30, 1933. In the election that followed (March 5, 1933), Hitler's party could only secure 44% of the votes. Hitler forcibly excluded the Communists and other opposition members of the Parliament, obtained plenary powers by an Empowering Act and began to rule as a dictator with the help of the Gestapo and the Nazi party troops. Hitler next set to put the house in order. All opposition to the new regime was suppressed, many killed or put into concentration camps and trade unions were liquidated. After a conference on June 30, 1934 the radical leaders of the Nazi party and a large number of their adherents were suddenly arrested and executed. On August 2, President Hindenburg died and Hitler now assumed the office of the President in addition to his Chancellorship.

Rearmament of Germany went on at full speed and conscription was reintroduced in March 1935, violating the Versailles Treaty. Since the inception of his party Hitler had been vehemently criticizing the Versailles Treaty and this infringement was not taken up by anybody. The Jews had been persecuted since the beginning of the Nazi rule in Germany. Anti-Jewish laws were promulgated at Nuremberg in September 1935, and the anti-Jewish drive greatly intensified.

Another treaty violation occurred on March 7, 1936, when Hitler reoccupied Rhineland, demilitarized by the Locarno Treaty. Hitler promised not to

fortify the area and declared that he had "no territorial demands to make in Europe." By 1939 Hitler succeeded in solving the unemployment problem in Germany by his intensive rearmament drive and unlimited spending policy. In 1938, Hitler began his foreign adventures. The Austrian Chancellor, Kurt von Schuschnigg, was summoned to Berchtesgaden and forced to sign an agreement opening the way of Nazism in Austria. Austria was occupied and incorporated into the Reich on March 12, 1938 and Hitler declared that he had "no further territorial demands" to make in Europe. Britain was assured that he had no designs on Czechoslovakia, but immediately after the *Anschluss* a vehement Press campaign was started against the Czechs and the Sudeten-German movement was utilized to create disturbances in Czechoslovakia. In September, Hitler demanded the cession of Sudetenland under threat of war. This, he said, was the 'last territorial claim' he had to make in Europe. Sudetenland was ceded to Germany by the Munich Pact. In March 1939, however, Hitler summoned the Czecho-Slovak President, Dr. Emil Hacha, to Berlin and forced him to place the country under the "protection" of Germany. German troops started marching into Czechoslovakia even before Dr. Hacha, had signed the instrument and the country was occupied. A few days later Memel was ceded by Lithuania to Germany. Once again Hitler gave an assurance that he had no further territorial demands to make in Europe.

Hitler had concluded a ten-year non-aggression pact with Poland in 1934 and Poland was allowed to annex the Polish districts in the first share-out of Czechoslovakia. A violent Press campaign was now started against Poland, Hitler demanded that Danzig and the Polish Corridor be ceded to Germany. Backed by Anglo-French guarantees Poland refused Hitler's demands but offered to negotiate for a peaceful settlement. In August 1939, Hitler ordered occupation of Danzig. On August 23 the German-Soviet non-aggression pact was announced. On August 29, Poland was asked to send a plenipotentiary to Berlin with power to sign any agreement. Poland refused to be hood-winked. On August 30, an ultimatum regarding the Corridor and Danzig was handed over to the Polish Ambassador but immediately afterwards, and even before the Polish Government had received the ultimatum, Hitler declared that Poland had refused it.

On September 1, 1939, Danzig was annexed and the invasion of Poland began. On September 3, Great Britain and France declared war on Germany in fulfilment of their pledges to Poland. After a fortnight's war, Poland was defeated and was shared out between Russia and Germany. In April and May 1940, Hitler invaded Norway, Denmark, Netherlands, Belgium, Luxembourg and France. Denmark submitted meekly to its fate, others resisted for some time. The Governments of Norway, Netherlands, Belgium and Luxembourg fled. France capitulated and an armistice was signed on June 22, 1940. Hitler's successes have brought Slovakia, Hungary, Roumania and Bulgaria into the Axis orbit. They have joined the Axis pact along with Japan. Greece and Yugoslavia were invaded on April 6, 1941, and quickly conquered. On June 11, 1941, Hitler declared war on and invaded Russia on a 1500-mile front. During the first four months of the war the Germans maintained advantage. But the reverses during the autumn of 1941 and winter of 1942 compelled Hitler to take up the supreme military command into his own hands from those of Field-Marshal Von Brauchitsch. The reverses suffered by the Axis armies in South-eastern Russia and in Libya and North Africa in 1942-43, have substantially dispelled popular illusion about the invincibility of Hitler and his arms.

One of the most-hated and most-loved men of the present times, Hitler is a bachelor, does not smoke or drink and has no banking account.

ROOSEVELT

ROOSEVELT, Franklin Delano, was born January 30, 1882 at Hyde Park New York State. Mr. Roosevelt is descended from a Dutch family, which settled in America in 1649 and he is the nephew of the late Theodore Roosevelt, President of U. S. A. 1905. Graduating at Harvard in 1904, Mr. Roosevelt passed out of the Columbia Law School and started practice as a lawyer. Elected to the New York State Senate in 1910 on the Democratic Party ticket he was a supporter of Wilson in his candidacy for the Presidency of U. S. Appointed Assistant Secretary, Navy, in the first Wilson Administration, Mr. Roosevelt was sent out to Europe in 1918 for the inspection of the army and once again in 1919, in charge of demobilization of the U. S. armies. Contested for the Vice-President election in 1920 but was defeated and resumed legal practice. Vice-President of the Fidelity and Deposit Company of New York City until 1924. An attack of infantile paralysis in August 1921 left him with his legs paralysed. This misfortune, however, failed to damp his strong will power or to end his political activities. In 1928 he was elected Governor of New York State and reelected in 1930. He was elected President of the United States in 1932. Installed in his office on March 4, 1933 he started a bold policy of socio-economic reforms—the New Deal—to overcome the great crisis. Was re-elected for a second term in 1936. One of the staunchest believers in democracy, he has been extremely critical of dictatorship and has been outspoken in his sympathy with the British Commonwealth France and all countries fighting aggression. In spite of the opposition of isolationists he succeeded in amending the Neutrality Act, so as to give very valuable aid to Britain in the form of planes and other war materials, and a number of U. S. destroyers in lieu of the lease of certain naval and air bases in the British possessions in the Western Hemisphere. In July 1940 he broke a long-standing American tradition by accepting nomination for a third-term Presidency, and was elected with a convincing majority in Dec. 1940. A Bill for comprehensive aid to the British Commonwealth was passed under his presidency. Since his first election as President of U. S. A. President Roosevelt has been a dynamic personality both in and out of U. S. A. During the last three years in particular he has helped the democratic side in the present World War in various ways and he is looked upon as the most powerful upholder of democracy, though in Axis countries he is looked upon as a warmonger. Since Japan's attack on Pearl Harbour, Dec. 7, 1941, President Roosevelt has lashed the American nation in war activities on a scale unprecedented in world history. Went to Casablanca, November 1942 and had a meeting with Mr. Churchill and Free French leaders.

STALIN

STALIN, Josef Vissarionovitch, son of a cobbler, was born in 1879 at a village near Tiflis, Caucasus. Studied theology with a view to entering the priesthood but thought better and joined the revolutionary movement. Member of the Bolshevik Party since its inception in 1903, he discarded his patronymic Jugashvili for Stalin, man of steel. His anti-tsaristic activities landed him into prison several times and finally he was exiled to Siberia.

Returned to Petersburg after the March Revolution of 1917, became a member of the Politbureau under Lenin, and became Commissar of Nationalities, Became General Secretary of the Central Party Committee in 1919. After the death of Lenin in January 1924 a struggle arose for supremacy between Stalin and Trotsky. Stalin in collaboration with Zinovieff and Kamenieff ousted Trotsky, who was forced to resign the position of Commissar of War in 1925 and was finally exiled in 1927. After Trotsky had been ousted, Stalin teamed with the right wing under Rykoff and Kalinin to remove the influence of the Zinovieff group. With the exile of Trotsky in 1927, Stalin came to be in complete control of the party.

The struggle within the party between the Stalinite and Trotskyite groups, apart from personal considerations, was based on ideological difficulties. The former group advocated the "Socialism in one country" theory, the "one country" referring of course to Russia, while the later group was in favour of immediate pursuance of world revolution. The Stalinite groups carried the day and the Five-Year Plans on the basis of State Socialism and collectivization of Industries were carried out under the guidance of Stalin.

A party purge was carried out by Stalin in 1936 and 1937. The famous Moscow trials took place during this period and many former leading Communists were executed. From 1934 to 1938 Stalin pursued an anti-Nazi policy and even sought collaboration with the Western Powers against the German dictator. On August 23, 1939, while negotiations for an alliance were proceeding with Britain and France, Stalin astounded the world by concluding a non-aggression pact with Hitler. Hitler apparently was given a free hand in Poland and in September 1939, after a two-week war between Poland and Germany, Hitler and Stalin shared out Poland between themselves. In September and October 1939, Stalin, taking advantage of the European war, forced the Baltic States to agree to the establishment of Russian garrisons and naval and air bases in their territories. In October 1939 similar demands *plus* those for the cession of certain territories and some frontier adjustments were made to Finland. Finland rejected some of the terms and Russia invaded Finland on November 30, 1939. On March 11, 1940 a peace treaty was concluded between Finland and Russia when the former had to accept terms more severe than those originally made. In August 1940 all the Baltic countries were incorporated in the Soviet Union as federal republics.

Stalin's policy has always been marked by the strictest realism and his *regime* has been marked by emergence of Soviet Russia as one of the Great Powers. Until May 1941, Stalin did not hold any Government Office, though his dictatorial authority was exercised by him as the General Secretary of the Communist Party. In May 1941, Stalin became the Prime Minister of Soviet Russia on M. Molotov's resigning the post. Since the beginning of the Russo-German War, June 1941, Stalin, as the leader of the Russian people, has evinced a power of mass organisation and an inflexible will-power unprecedented in modern history. He has been variously described as the champion of world revolution and as the traitor of the revolution. An American writer describes his rise to power as a "triumph of mediocrity." The series of military triumphs of Red Army over the victorious German Army in South-Eastern Europe in 1942-48 are looked upon as the greatest contribution that any country on the Allied side of the present war has made for the furtherance of the Allied cause. Stalin is characterized as the man of 1942.

WHO'S WHO IN THE WORLD

ALEXANDER, Rt Hon. ALBERT V., M. P., British Labour politician, *b.* 1885; Parliamentary Secy, Board of Trade 1924. First Lord of the Admiralty, May 1940.

AMANULLAH, ex-king of Afghanistan. His reformist zeal lost him his throne. Went into exile in 1929. Now lives in Italy.

AMERY, Rt. Hon. Leopold Stennet, M. P., British politician, Conservative *b.* 1879, Gorakhpur, India; *ed*: Harrow and Oxford. After minor Cabinet posts, First Lord of the Admiralty 1922-24; Colonial Secretary 1924-29; Dominions Secretary 1925-29; Indian Secretary may. 1940.

ATTLEE, Major, The Rt. Hon. Clement Richard, *b.* 1883, *ed*: Oxford; called to the Bar 1905. Lecturer, London School of Economics 1913. Served in the Great War. M. P. 1922, was member, Simon Commission; Chancellor of the Duchy of Lancaster 1930-31; Postmaster-General 1931. Leader, Labour Party since 1935. Lord Privy Seal and Leader of the House of Commons, May 1940. Deputy Prime Minister, Feb. 1942.

AZANA, Manuel, Spanish Republican politician, *b.* 1880; *ed*: Madrid and Paris. War President during the Spanish civil war, fought to the end. Left Spain at the collapse of the Republic, now resident in America.

BALDWIN, Earl (formerly Mr. Stanley Baldwin). *b.* 1867. M. P. for Bewdley Division of Worcestershire 1908-37. Became President of the Board of Trade 1921. Chancellor of the Exchequer 1922-3 & Prime

Minister 1923-4, 1924-9 & 1935-7. Redd. from Premiership raised to peerage, May 1937.

BARTLETT, Vernon, noted journalist on foreign affairs. Served on *Daily Mail*, Reuter's Agency & *The Times*. Now connected with *News Chronicle*. Elected M. P. 1938. Author of several books on European affairs.

BEAVERBROOK, Lord, British politician, and Press magnate, *b.* 1879, Canada. Knighted 1911. Minister of Information 1918. Appointed Minister for Aircraft Production, May 1940. Proprietorship of the *Daily Express* and *Sunday Express* makes him a great influence in British journalism. Resigned ministership in Feb. 1942 and went over to America to help Anglo-American military collaboration.

BENES, Eduard, Ph. D., *b.* 1884, near Pilsen, Bohemia *ed*: Paris. Professor at a commercial college. Prague 1909. Was Masaryk's right-hand man. General Secretary of the Czechoslovak National Council, afterwards Foreign Minister when Czechoslovakia became independent. Held office in all Cabinets, till 1935 when he became President. Resigned after the Munich Agreement, left the country, lectured in Chicago and later settled in England, July 1939. Became President of the Czechoslovak National Committee in London, July 1940.

BENNET, Rt. Hon'ble Viscount, K. C., Prime Minister, Minister of Finance & External Affairs, Canada 1930-5. Member of the Dominion House of Commons 1911-7; 1925-40. Raised to peerage 1941.

BEVIN, Rt. Hon. Ernest, British Labour politician, *b.* 1884; Chairman of the General Council of the T. U. C. 1937; Minister of Labour, since May 1940.

BLUM, Leon, Former Socialist Premier of France, *b.* 1872. Reported detained by the Petain Government.

BORIS III, King of Bulgaria, oldest s. of King Ferdinand (of Saxe-Coburg & Gotha) and of the late Marie Louise. Succeeded to the throne, Oct. 8, 1918. *m.* Princess Giovanna of Savoy, of Victor Emmanuel III, King of Italy on Oct. 25, 1930.

CARDENAS, Gen. Lazaro, President of Mexico, 1934-1940, responsible for expropriation of foreign oil concerns in Mexico. Gave asylum to Trotsky.

CAROL II, ex-king, Roumania, *b.* 1893. Crown Prince until 1925 forced to resign; returned to Roumania 1930, proclaimed King; abdicated in favour of his son Michael, September 6, 1940. Now reported living in Portugal.

CHANG KAI-SHEK, Chinese National leader and Generalissimo. *b.* 1888, took active part in Chinese revolutions, joined Kuo Min Tang, was a close associate of Dr. Sun Yat-Sen 1917-22. Chief of the Chinese Military Academy at Whampoo, 1924. Organized a model troop there and defeated insurgent South Chinese military leaders. Succeeded to the leadership of the Kuo Min Tang on the death of Dr. Sun Yat-Sen. First co-operated with then crushed, Communists. Set up a Government at Nanking and eventually united it with the pro-Communist Government. At present Prime Minister. Has been heart and soul of the Chinese resistance to Japan. Visited India, Feb. 1942.

CIANO, Count Galeazzo, was Italian Foreign Minister upto Feb. 1943, *b.* 1908, *m.* Edda, Mussolini's daughter. Regarded as an advocate

of pro-German policy. Next to Mussolini, is the most important figure in Italian politics.

CITRINE, Sir Walter McLennan, K.B. E. *b.* 1887, General Secy. of the British Trades Union Congress since 1925. Visited Finland during the Soviet-Finnish War 1940.

CRIPPS, Sir Stafford, M. P., Minister of Aircraft Production since Nov. 1942, pro-Communist British politician. *b.* 1889, appointed British Ambassador to Moscow, June 1940, Was made a Privy Counsellor in 1941. Resigned Ambassadorship in 1942. Visited India April 1942 for bringing about rapprochement between British Government and the Indian political leaders. Member of the War Cabinet from February 1942 to Nov. 1942.

CURTIN, John Australian, Prime Minister and Leader of the Labour Party, *b.* 1885. Succeeded Mr. Fadden as Prime Minister of Australia, October 1941.

DALADIER, Edouard, French statesman, *b.* 1884. Premier of France April 1938 - March 1940, signatory to the Munich Agreement. Resigned March 1940 due to pressure from the Chamber, retained in the Reynaud Cabinet for some time, removed June 1940. Now reported detained by the Petain Government.

DALTON, Rt. Hon. Hugh, M. P., British Labour politician. *b.* 1887. *ed.* : Eton and Cambridge, appointed Minister of Economic Warfare, May 1940 and President of the Board of Trade, Feb. 1942.

DE GAULLE, Charles, French General, strong advocate of Mechanization, *b.* 1890, served in the Great War. Condemned the surrender of France in June 1940; went to Britain, organized the Free France Movement of which he became the leader. Became the President of the French National Committee formed in Britain.

DE VALERA, Eamon, Irish statesman

and Prime Minister. *b.* 1882 in New York U. S. A., *ed.*: Dublin. Became a teacher: took part in the Easter Week Rising in Dublin, 1916, was captured and sentenced to death, later commuted to a life sentence but released June 1917. Joined the Sinn Féin Movement, again arrested and sentenced to one year's imprisonment. Released, went to America to champion the Irish cause 1919. Came back in 1920, directed Irish Republican activities in the first civil war. Disapproved the Anglo-Irish Treaty of 1921, directed the second civil war, arrested in 1923, released in 1924. Organized a new party in 1925 with a programme of independence as goal and co-operation in the Free State Parliament. Elected to the Dail in 1927, Prime Minister 1932. He has been responsible for gradually loosening all ties with Great Britain. Declared neutrality at the outbreak of present war.

DILL, Field Marshal Sir John, Chief of the Imperial General Staff 1940-1. Fought in South African war. Became Brigadier-General. General Staff, and Director of Military Operations at War Office and later G.O.C. in Palestine and Transjordan.

DORMAN-SMITH, H. E. Rt. Hon. Sir Reginald, P. C. Kt., Governor of Burma, *ed.*: Harrow and Sandhurst. Entd. Army and became a Major. Elected M. P. 1935. Minister of Agric. and Fisheries 1939-40.

DOWDING, Air Chief Marshal Sir Hugh, G. C. B., G. C. V. O. After training at Woolwich entd. Army and became an air-pilot in R. F. C. Commanded Fighter area, Air Defence of Great Britain and was A. O. C. in-Chief, Fighter Command 1936-40.

DUFF COOPER, Rt. Hon. Alfred, M. P., British Conservative politician *b.* 1890; *ed.*: Eton and Oxford; served in the Great War. Was in the Chamberlain Cabinet but resigned in protest against the appeasement policy.

Minister of Information May 1940. Chancellor of the Duchy of Lancaster 1941 and Resident Minister in the Far East, 1941.

EDEN, Rt. Hon. Robert Anthony, M. P., Foreign Secretary and Leader of the House. British Conservative statesman, *b.* 1897, *ed.*: Eton and Oxford. Lord Privy Seal 1934. Minister for League Affairs, 1935, succeeded Samuel Hoare as Foreign Minister, resigned 1938. Opposed appeasement, re-entered the Cabinet after the declaration of war as Dominions Secretary Minister for War, May 1940. Foreign Secretary 1941. Leader of the House since Nov. 1942.

EMMANUEL III, Victor, king of Italy. *b.* Nov. 1869, *s.* of King Umberto I of Italy. Succeeded to the throne on his father's death, July 29, 1900. *m.* Oct., 1896 Princess Elena, *d.* of Nicholas, King of Montenegro. *Heir-apparent*—Prince Umberto Nicola Tomaso Giovanni Maria, Prince of Piedmont, *b.* Sept. 15 1901, *m.* Jany. 8, 1930.

FITZROY, Rt. Hon. Edward A. M. P., Speaker, House of Commons since 1928. *s.* of Lord Southampton. *ed.*: Eton and Sandhurst. Served with the 1st. Life Guards and was wounded at Ypres. First elected M. P. 1901. Was Deputy Chairman of counties, for 6 years.

FORD, Henry, noted American industrialist and inventor of famous Ford cars and tractors. Began life as a mech. engr. and later estd. Ford Motor Co., now the biggest automobile mfg. Co. of the world, Mr. Ford in one of the richest men in the world and is a pacifist.

FRANCO, Francisco, Bahamonde, Spanish General and Dictator, *b.* 1892; Chief of Staff 1935; organized uprising in July 1936 that led to the civil war, Proclaimed himself *Caudillo* and Commander-in-Chief, Oct. 1.

1936. Joined Axis pact 1939. Declared neutrality in the present War.

FRICK, Dr. Wilhelm, German Minister of the Interior since 1933, one of the "Big Six" appointed to direct the present war.

GARVIN, J. L., LL. D., Editor, *Observer*; formerly editor, *The Outlook and Pall Mall Gazette*. Editor, *Encyclo. Brit.* (1926-9), President, Institute of Journalists 1918. Author of *The Economic Foundations of Peace and Biography of Joseph Chamberlain*.

GEORGE VI, second s. of King George V. b. Dec. 14, 1895, m. Elizabeth, d. of the Earl of Strathmore 1923; succeeded to the throne on the abdication of his brother Edward VIII, Dec. 10, 1936. Toured Canada and U. S. A. with Queen Elizabeth, May and June 1939. Has two d Princess Elizabeth (b. April 21, 1926) and Princess Margaret Rose (b. Aug. 21, 1930).

GEORGIOS II, King of Greece, b. 1890, succeeded his father who was forced to abdicate Sept. 27, 1922. But he was forced to leave Greece, December 18, 1923, when a Republic was proclaimed. On the restoration of Monarchy by a plebiscite, King Georgios, on November 25, 1935, was proclaimed King of the Hellenes. Decided to resist Italian demands in October 1940. Left Greece on the eve of Italo-German occupation of Greece in the spring of 1941.

GOEBBELS, Dr. Joseph Paul, German Propaganda Minister, b. 1897, Ph. D. Heidelberg, 1920; was formerly a journalist. Joined Nazi Party 1922, is a *Reichsleiter* (National leader) and President of the *Reichskulturkammer* (State Culture Chamber).

GOERING, Hermann Wilhelm, b. 1893, German Field-Marshal, Air Chief, President of the Reichstag, economic dictator of Germany, in charge of the Four-Year Plans. Served in the Great War, was very

successful as an air pilot. One of the "Big Six".

GORT, Field-Marshal Viscount, V.C., G. C. B., D. S. O., Governor of Malta since May, 1942. C-in-C., British Expeditionary Force in France 1940. Gained Victoria Cross in the war of 1914-18, Governor of Gibraltar, 1941-42. Field-Marshal 1943.

GRAZIANI, Marshal, formerly Viceroy of Ethiopia, ex-Commander-in-Chief of the Italian forces in Africa.

GREENWOOD, Rt. Hon. Arthur, M. P., British politician, Deputy leader of the Labour Party, was lecturer of Economics, Leeds; Minister of Health 1929-31; appointed Minister without Portfolio and Member of War Cabinet, May 1940.

GUSTAF (GUSTAV) V. King of Sweden b. June 1858. Succeeded to the throne on his father's death, Dec. 1907 m. Sept. 20, 1881 Princess Victoria, d. of Friedrich, Grand-Duke of Baden.

HAARON VII, King of Norway, b. 1872, elected to the Norwegian throne. 1905, when Norway was separated from Sweden. Offered resistance to German invasion in April 1940. Rejected Hitler's demands to surrender, went to Britain and is helping the Allies with his Govt., which is now established in Britain.

HACHA, Emil. LL. D., succeeded Dr. Benes to the Presidency of Czechoslovakia, b. 1872. His attempts to maintain the independence of the dismembered State failed, was summoned to Berlin and forced to sign a document placing the country under German "protection". Now a puppet "State President" of the Protectorate.

HAILE SELASIE, Emperor of Abyssinia, since April, 1930; formerly known as Ras Tafari. b. 1891, lived at Bath (Eng.) after Italians annexed Abyssinia. Shortly after the present war was declared, he went to the Soudan from where he

organized Abyssinian revolt. Entered Abyssinia in January 1941 to personally lead opposition to the Italians. Is now in Abyssinia.

HALIFAX, Edward Frederick Lindley Wood, Lord, K. G., formerly Lord Irwin, *b.* 1881; *ed.*: Eton and Oxford; entered Parliament 1910, was in the Baldwin Cabinet. Made Lord Irwin and Viceroy of India, 1925, was responsible for the Gandhi-Irwin pact. Returned to England 1931, inherited the title of Marquess of Halifax 1932; again in the Cabinet in various capacities, Foreign Secretary in 1938; appointed Ambassador to U. S. A. 1941.

HENLEIN, Konrad, Sudeten-German politician, *b.* 1898, organized Sudeten-German Party, 1938, led the action which resulted in Sudetenland being incorporated into the Reich. After the German occupation of Bohemia and Moravia, was appointed "Chief of the Civil Administration."

HERTZOG, James Barry Munik, General, former Premier of South Africa, *b.* 1866. Advocated neutrality in the present war being declared, but his motion was rejected by Parliament. Has now retired from politics.

HESS, Rudolf, Hitler's deputy and Minister without Portfolio of the German Government, *b.* 1896. Was designated by Hitler as his successor after Goering. Mysteriously flew in aeroplane to Scotland in 1941. Is now living under detention in Great Britain.

HIMMLER, Heinrich, Chief of the Gestapo, *b.* 1900, member of the 'Big Six' to direct Germany's war effort.

HIROHITO, Emperor of Japan. *b.* Aug. 1901. Ascended the throne 1927. *m.* Princess Nagako 1924; *a.s.* and heir was born on Dec. 23, 1933; three *d.* The Emperor is a poet and a lover of natural sciences.

HOARE, Rt. Hon. Sir Samuel, Bart., Special British envoy to Spain. *ed.*: Harrow and Oxford. First entd. Parliament 1910 as M. P. for Chelsea

and has since held that position. Became Cabinet Minister in the 1st Baldwin Ministry of 1923-4. Secy. of State for India 1931-5. Foreign Secy, June 7—Dec. 18, 1935.

HORE-BELISHA, Rt. Hon. Leslie, M. P., Secretary of State for War, May 1937—Jan. 1940. *b.* 1893. M.P. since 1923. Minister of Transport, 1934-7. Financial Secy. to the Treasury 1932-4. Parliamentary Secy. to the Board of Trade 1931-2.

HORTHY DE NAGYBANYA, Nicholas, Admiral and Regent. *b.* 1868. Fought against the British in 1914-18, organised resistance to the Hungarian Soviet Republic 1919, defeated the Communists and assumed the title of 'Administrator of the Realm' 1920. He is pro-Axis in policy but is trying to prevent Nazification of the country.

HOOVER, Herbert Clark, President, U. S. A. 1929-33, *b.* 1874, recently associated with schemes of sending food supplies to German-occupied countries.

HULL, Cordell, Secretary of State, U. S. A., *b.* 1871, strong supporter of President Roosevelt's policy and pan-Americanism.

HYDE, Douglas, LL. D., D. Litt., unanimously elected President of Eire, 1938, when the office was created. *b.* 1860, *ed.*: Trinity College, Dublin. Professor of Languages, University of New Brunswick, Canada. Returned to Ireland and worked for the preservation of the Gaelic language. Is a noted writer on and in Gaelic.

IBN SAUD, (Abdul Aziz Ibn Abdur Rahaman al-Faisal al-Saud), King of Saudi Arabia, *b.* 1880, captured in 1901 the throne of his ancestors with only 200 men, drove out the Turks from Eastern Arabia, 1913, defeated King Hussein of Hejaz 1919. His conquests were concluded by 1925, was proclaimed King of Hejaz, Jan. 1926, assumed title "King of Nejd".

1929. Treaty with Britain same year. Union of Nejd and Hejaz proclaimed 1932 under the name Saudi Arabia.
- INONU**, Ismet, President of Turkey, *b.* 1884, formerly known as Ismet Pasha, a close associate of Kamal Ataturk, succeeded him Nov. 1938.
- IRONSIDE**, Field-Marshal, Lord-Iddmund, G. C. B., C. M. G., D. S. O., General Commander-in-Chief of Home Forces, May—July, 1940. Formerly Governor of Gibraltar and Chief of the Imperial General Staff. Entd. the Army 1899 and rose to be C.-in-C. of the Allied troops in Archangel 1918. Served in India for 3 yrs. as Quartermaster-General. Was G. O. C. the Eastern Command 1936-8. Raised to peerage Jan., 1941.
- KALININ**, Mikhail Ivanovich, Chairman of the Presidium of the Supreme Soviet, *b.* 1875, joined revolutionary movement 1899, helped Stalin to get rid of the Zinoviev group.
- KEYNES**, Lord John Maynard, C. B., M. A., F. B. A., one of the greatest living economists in the world. *b.* 1883. Was Bursar and Fellow, King's College, Cambridge; Editor, *Economic Journal* and author of several books on money and finance. Caused world wide stir when he emphatically denounced the Reparation clauses in the Treaty of Versailles in his famous book *Economic Consequences of the Peace*. Became Director, Bank of England 1941. Has published a scheme of War Finance and his views on war savings were adopted by the British Govt. Raised to peerage, 1942.
- KING**, Rt. Hon. William Lyon Mackenzie, Prime Minister of Canada, *b.* 1874, *ed.* : Toronto, Chicago. Harvard. Liberal leader since 1919, Prime Minister 1921-30 and again since 1935.
- KING-HALL**, Commander Stephen, M. P., famous British writer and broadcaster, eldest s. of late Admiral Sir G. King-Hall. Served in the last war. Retd. 1929. Elected M. P. 1939. Co-author with Ian Hay of *The Middle Watch, The Midshipmaid*.
- KNOX**, Col. William Franklyn, U. S. Navy Secretary, since June 1940. *b.* 1874, was previously a journalist. Is an anti-isolationist, supports aid to the Allies.
- KONNYE**, Prince Gumimaro, was Prime Minister of Japan up to October 1941.
- KORIZIS**, Alexander, Prime Minister of Greece, *b.* 1888, *ed.* : Athens University, had a brilliant career in the Bank of Greece, rose to be its Deputy-Governor and afterwards Governor. Was Minister of Health under Gen. Metaxas, on whose death on January 29, 1941 succeeded him, though he had played no prominent part in politics hitherto.
- LANG** Dr. Co-mo Gordon, P. C., G. C. V. O., D. D., Archbishop of Canterbury, Nov. 1928-Feb. 24, 1942. *b.* 1864. Is the first Primate to retire voluntarily. Was Archbishop of York 1906-1928. *ed.* : Glasgow Univ. & Oxford Fellow, All Souls', Oxford since 1888.
- LAVAL**, Pierre, French politician. Head of French Government since April 1942. *b.* 1883, held various Cabinet posts from 1925, was Premier and Foreign Secretary, 1931-32 and 1935-36; believed connected with Fascist intrigues in France, 1937-39; partly responsible for the overthrow of the Reynaud Cabinet in June 1940. Appointed Vice-Premier and successor to Petain as Chief of State, later also Foreign Minister. Dismissed for, it is believed, conspiring to seize power, and was freed a few months later.
- LEOPOLD III**, King of the Belgians, *b.* 1901, succeeded February 23, 1934. Maintained neutrality in the beginning of the war, made a joint appeal for peace with Queen Wilhelmina, but when Belgium was attack-

ed by Germany in May 1943, decided to resist and took over supreme command. He, however, decided after a week's war to surrender against the advice of Ministers. Now practically a captive. His Government went over to England and is organising resistance there.

LEY, Dr. Robert, head of the German Labour Front, *b.* 1890, entered Nazi party, 1925. The Labour Front is a compulsory organization of all German workers and employers and looks more to the interest of the State and employers than the workers.

LINDBERGH, Col. Charles A., American Airman who made a record trans-Atlantic flight in May, 1927 flying from New York to Paris in 33½ hrs. *b.* 1902. Began flying in 1921. Won Mr. Raymond Orteg's Prize of £5,000 for his record solo flight from New York to Paris. Recd. from King George V the Air Force Cross 1927. *m.* May 1929 Miss Morrow. In March 1932 his infant son was kidnapped & was later discovered dead. Though a noted isolationist, he approved war against Japan, as U. S. A. had been attacked by Japan.

LLOYD GEORGE, Rt. Hon. David, M. P., British Liberal statesman *b.* 1863, M. P. for Carnarvon since 1890. President. Board of Trade, 1905-8. Chancellor of the Exchequer 1908-15. Minister of Munition 1915, Premier of National Government 1916-22, conducted the Great War with great energy. Sharply critical of Chamberlain's appeasement policy. He advocates expansion of British agriculture as prerequisite for victory,

MACARTHUR, General Douglas, was American C-in-C. in the Philippines who heroically resisted the superior Japanese invaders for more than 8 months & then escaped heroically in a motor boat to Australia to take up the command of the South Pacific there.

MANNERHEIM, Baron Carl Gustaf

Enil, Finnish Field-Marshal, *b.* 1867. Officer, Russian Army, 1889, served in Russo-Japanese and the Great Wars. After Russian Revolution of 1917 took command of Finnish White Army; with the aid of German force defeated Communists. Was Regent of Finland Dec. 1918--July 1919. Was responsible for the construction of the former defence system in the Karelian Isthmus known as the "Mannerheim Line". Commanded the Finnish Army in the Russo-Finnish War, 1940.

MATSUOKA, Yosuke, was Foreign Minister & Minister for Overseas Affairs in the Konoze Cabinet. Went to Russia, Germany & Italy and successfully negotiated the Russo-Japanese Non-aggression Pact.

MESZAROS, Robert Goode, Ex. Prime Minister of Australia, *b.* 1891, *ed.* Melbourne, Barrister-at-law, M. L. since 1928, Minister of Industry 1928-29, held various offices in Victoria. became Premier of the Commonwealth 1939.

MOLOTOV, Vyatcheslav Mikhailovich, President of the Council of People's Commissars and Commissar for Foreign Affairs, U. S. S. R., *b.* 1890 joined the Bolshevik Party 1905 imprisoned several times and exiled twice, member of Politbureau, 1924 present position since 1930, and Foreign Affairs, since 1938. Molotov's real name is Skryabin.

MORRISON, Rt Hon Herbert Stanley, M. P., British Labour politician & Minister for Home Security from Oct., 1940. *b.* 1888; errand boy, shop assistant, telephone operator, newspaper circulation manager; joined Labour movement, Mayor of Hackney 1920-21, M. P. 1923-24, 1929-31, and since 1935. Chairman of the Labour Party, 1928-29. Minister of Transport 1929-31. Minister of Supply, May 1940. Included in War Cabinet, Nov. 1942.

MOSLEY, Sir Oswald, Bart. *b.* 1896, s. of late Sir Oswald Mosley, Bart. Unionist M. P. 1918-24, Labour M.

P. 1926-31. Left Labour Party & formed "New Party" (i. e. the British Fascist Party since abolished) Chancellor of the Duchy of Lancaster 1929-30 which post he resigned. Has been kept under detention since the outbreak of the present war due to his pro-Axis ideas.

MUFTI, Grand, of Jerusalem (Haj Emin Effendi el Husein), Arab national leader and high Moslem official, *b.* 1897, became Mufti 1921, President of the Supreme Moslem Council 1923. Supported British against Turks in the Great War but has been the leader of Arab opposition against Jewish immigration in Palestine for the last 20 years. Was sentenced to a 20-year term but released. His Palestine Arab Party is the largest party in Palestine. Became President of the Arab Higher Committee in Jerusalem, 1937, was banned from the country and is now living in Syria.

NUFFIELD, Viscount, G. B. E. (formerly Sir William Morris). *b.* 1877. Started business as a bicycle repairer. After the last war began mass production of motor cars and in Feb. 1927 purchased Wolseley Motors Ltd. Recd. a Baronetcy 1929. Raised to peerage 1934. Viscount 1938. Is the greatest living British donor: his donations during the last 14 yrs. exceeded £15,000,000 including £2,000,000 to the Oxford Univ. which body conferred D. C. L. on him in 1931.

PERSHING, General John I., G. C. B., C-in-C. of the American Army in France 1917-18. Recd G. C. B. 1917 and became a Free man of the city of London, 1919.

PETAIN, Henri Philippe, Chief of the State, France, *b.* 1856. Army Officer, 1878, General 1914, famous defender of Verdun 1916, Commander-in-Chief 1917, Marshal 1918; Vice-President, Council of National

Defence since 1931; War Minister, 1934, Ambassador to Spain 1939, Vice-Premier, May 1940 under Reynaud, then Premier. Surrendered to Germany, June 1940; since Chief of State, has abolished the French constitution and adopted the authoritarian system.

PIUS XII, 261st. Pope, formerly Cardinal Eugenio Pacelli, *b.* 1876. Archbishop of Sardes 1917, Papal Nuncio, Munich 1917, and Berlin 1920. Concluded concordat with Germany; recalled to Rome and made Cardinal, 1929; Cardinal Secretary of State, 1930; elected Pope Mar. 2, 1939. Tried to prevent the present war, offered to mediate, strongly critical of Nazism, also tried to prevent Italy's entry into war, but was unsuccessful.

PORTAL, Air Chief Marshal Sir Charles, K. C. B., D. S. O. War Director of Organisation in the Air Ministry, and Air Member in the War Council.

POUND, Sir, Dudley, G. C. B., G. C. V. O., Admiral of the Fleet, First Sea-lord & Chief of the Naval Staff since May, 1939.

QUISLING, Vidkun Abraham Lauritz, Norwegian politician, *b.* 1887. After a military and diplomatic career founded a Fascist party in Norway. Connected with German intrigues to seize Norway, was appointed head of the German-sponsored Government but had to resign for want of popular support. His name has now become a byword for treachery.

REYNAUD, Paul, French statesman, *b.* 1878, was in various Cabinet posts after 1930. Finance Minister under Daladier April 1938—March 1940, improved country's finances. Premier, March 25, 1940, thrown out by the Petain group June 1940. Reported detained by the Petain Government.

RIBBENTROP, Joachim von, German Foreign Minister, b. 1899, served in Great War, sales agent in wine, joined Nazi Party 1932, advised Hitler on foreign policy, then Foreign Minister, Ambassador to Britain 1936-37, again Foreign Minister. Believed strongly anti-British, negotiated and concluded Russo-German Pact 1939.

SALAZAR, Antonio d' Oliveira, Portuguese Premier, b. 1888, became Professor of Economics, Coimbra University. Finance Minister for a few days after the military *coup d'état* 1926, and again in 1928. Put finances into order. Premier since 1928, and now virtually a dictator, an authoritarian and corporate constitution being accepted by a plebiscite in 1933.

SCHACHT, Dr. Hjalmar Horace Greeley, German economist and politician, b. 1877, formerly President of the Reichsbank and Minister of Economics, succeeded by Dr. Funk 1938; visited India, 1939. Reported advising Hitler on economic warfare.

SIMON, Rt. Hon. Lord, formerly Sir John Simon, British lawyer and politician, b. 1873. *ed*: Edinburgh and Oxford, called to the Bar 1891, Liberal M. P., 1906; Solicitor-General, 1910-13, Attorney-General 1913-16, Home Secretary 1915-16; served in France 1917-18. M. P. again 1922. Joined National Liberals 1931, was Foreign Secretary 1931-35, Home Secretary 1935-37. Was Chairman, Simon Commission 1928-30; Chancellor of the Exchequer. 1937-39, wielded great influence in the Chamberlain Cabinet. Raised to Peerage (Viscount) May 1940 and made Lord Chancellor in the Churchill Cabinet.

SINCLAIR, Rt. Hon. Sir Archibald, British Liberal politician, b. 1890, *ed*: Eton and Sandhurst. Joined the army 1910. Served in the War Office

and Colonial Office, 1919-22. M. P. since 1922, Secretary for Scotland, 1931-32, Leader of the Liberal Party since 1935. Criticized Chamberlain's appeasement policy, supported Government after war was declared while remaining Leader of the Liberal Opposition, entered Churchill's Cabinet in May 1940 as Air Minister.

SMUTS, Field-Marshal the Rt. Hon. Jan Christian, South African Premier, b. 1870, fought against the British in the Boer War. Boer Peace Delegate 1902, favoured reconciliation between Boers and British later, helped Botha in building up the Union as a member of the British Commonwealth. Finance Minister 1910, Commander of the British Forces in German East Africa, 1914, Imperial War Cabinet 1917. Became South African Premier, overthrown by Hertzog, compromised with Hertzog Party 1934, Deputy Premier. When present war broke out he opposed Hertzog's policy of neutrality and ousted Hertzog with the help of Parliament, became Premier. Created Field-Marshal, 1941.

STIMSON, Henry Lewis, U. S. War Secretary, prominent Republican, b. 1869. *ed*: Harvard, lawyer: War Secretary 1911-13, Artillery Colonel in France 1918, Governor-General of the Philippines, 1927-29, delegate, London Naval Conference 1930 and Disarmament Conference 1932. Advocated U. S. support for Allies when present war broke out, taken into the Roosevelt Cabinet June 1940. Is the author of the "non-recognition" doctrine.

STRASSER, Dr. Otto, German politician, supported Hitler until 1930, but left him for his pro-capitalist inclination, founded the anti-Nazi "Black Front", an underground organization. Reported to be living in Switzerland.

THYSEN, Fritz, German steel magnate, b. 1873, one of the first

industrialists to support Hitler, for which he was later amply rewarded. Thyssen afterwards become critical of Hitler's actions and at the outbreak of present war took refuge in Franco. In January 1941, he was handed over to Nazi agents by the Petain Government. All his property in Germany (he was immensely rich) has been confiscated to the Reich.

TEMASHENKO, Marshal, successor to Voroshiloff as C.-in-C. of the Soviet Army; also Commissar of Defence. Has won great repute by his successful counter-attack against the Nazi invader on the Eastern Front in 1941-42.

TOJO, Lt. General Hideki, Prime Minister of Japan since Oct. 18, 1941. Was War Minister in the Konoye Ministry which resigned on 17-10-41.

VARGAS, Dr. Getulio, President and dictator of Brazil. Being unsuccessful in a presidential election seized power in 1930, abrogated the constitution. Quelled pro-Communist rising 1938, adopted new constitution July 1934. When the 1938 presidential election was due, the President not being eligible, Dr. Vargas carried out a *coup d'etat* and proclaimed a new constitution by which he is to remain in office for six years, then to nominate his successor. He has absolute powers. Recently he has stopped collaboration with foreign Nazi and Fascist elements.

VOROSHILOV, Kliment Yefremovitch, Russian Marshal, *b.* 1881, joined revolutionaries, exiled to Siberia, took part in civil war 1918-20. War Commissar, 1925-40, he was responsible for the development of the Red Army. Removed from his post in May 1940, he was appointed Vice-President of the Council of People's Commissars (Vice-Premier) and Chairman of the Defence Committee.

WEYGAND, General Maxime, French General and statesman,

b. 1867. Allied Commander-in-Chief in the present war after General Gamelin, was in the Petain Cabinet, and become Delegate-General to North Africa.

WEIZMANN, Chaim, celebrated bio-chemist and Zionist leader, *b.* 1874 in Russia, later naturalized in Britain: Professor, Leeds University. He was responsible for the negotiations culminating in the Balfour Declaration. President of the Zionist World Organization and Jewish Agency since 1921 with occasional breaks. He first accepted and then rejected the Palestine partition plan of 1937, the 1939 plan he has rejected completely.

WELLES, Sumner, U. S. Under-Secretary of State, *b.* 1892, *ed.*: Harvard. entered diplomatic service, Assistant Secretary of State 1933, Under-Secretary 1937. Is the most important man in U. S. politics next to President Roosevelt and Secretary of State, Cordell Hull.

WILHELMINA, Queen of the Netherlands, *b.* August 31, 1880, succeeded 1890, came of age 1898, *m.* Prince Henry of Mecklenburg-Schwerin, who died in 1934. Has one daughter Princess Juliana, heiress-presumptive. When Germans invaded her country she resisted. Is now in U. S. A.

WILKIE, Wendell Lewis, American politician, lawyer, businessman. Formerly a Democrat and supporter of Roosevelt, he broke away over the New Deal policy and joined Republicans in 1933. Contested presidential election against Mr. Roosevelt but was defeated in November 1940. Fully supports Roosevelt's policy of aid to Britain. Visited England and Eire in January 1941 carrying a personal message to Churchill from Roosevelt.

WINDSOR, H. R. H. DUKE OF, *b.* June 23, 1894, eldest son of King George V; formerly Prince of Wales, one of the most popular figures in the world and a fine orator. Succeeded

to the throne as Edward VIII on Jan. 20, 1936, abdicated Dec. 10, 1936. Made Duke of Windsor after abdication. Lived abroad, *m.* Mrs. Wallis Warfield, June 3, 1937. Served in the present war as Liaison Officer with the French Army. Returned to England after collapse of France. Now Governor of the Bahamas.

ZHDANOFF, Andrei Alexandrovich, Russian politician, Communist Party Secretary of Leningrad since 1934, member of the Central Committee of the party and the Politbureau, Chairman of Foreign Affairs

Commission. Urged annexation of the Baltic countries in 1936 and is stated to have furthered Soviet-German understanding.

ZOG, ex-king of Albania, formerly known as Ahmed Zogu, *b.* 1895, fought for the Austrians in the Great War, Minister for the Interior 1920, Premier 1922-24, when he had to resign and fly the country. Returned and overthrew his opponent, became President of the Republic 1925, proclaimed King 1929, *m.* a Hungarian Countess Geraldine Apponyi in 1938. Had to fly the country again in March 1939 when Italy invaded Albania.

THE BRITISH EMPIRE

The British Empire is the largest empire that the world has ever seen. It extends to all the continents of the world and comprises peoples of almost all the races of mankind. The sun, it is said, never sets on the British Empire. The following figures illustrate the vastness of the Empire :

DISTRIBUTION OF THE AREA AND POPULATION OF THE EMPIRE AMONG THE CONTINENTS

<i>Name of the continent</i>	<i>Area in 1,000 sq. miles</i>	<i>Population in millions</i>
Europe	122	49·8
Asia*	2,126	367
Africa	3,819	60·6
America	4,008	18
Australasia	3,279	10·5
Total	13,354	500·4

The British Empire comprises 20% of world's area and contains about 20% of world's population.

Political Structure

The political structure of the Empire is something novel. The political status of all parts—or rather the different countries, provinces or colonies—is not the same. But for practical purposes they may be classified as follows ;

1. *The Self-Governing Dominions of the British Empire.* These are practically independent States co-equal with the Mother Country (i.e. U. K.) but

* The area of British Empire in Asia has undergone slight reduction due to Malaya, British Borneo and Burma being occupied by the Japanese.

are within the Empire. This complete independence and autonomy was put in legal form by the Statute of Westminster which was passed by the British Parliament in 1931.

2. *India and Burma.* Though the ultimate object of Britain is to give India and Burma political status equivalent to that of the Dominions, India and Burma are still dependent empires, though they enjoy some Dominion privileges. The British Government retains direct control of the executive; the Viceroy in India and the Governor-General in Burma have wide and plenary powers. (See Indian Constitution.)

3. *Colonies, Protectorates and Mandated Territories.* Of these only Malta and Rhodesia have self-governing constitutions. In these the Crown has only a veto on legislation. Bermuda, Bahamas, etc. have representative government, but the Crown retains substantial control over legislation and administration. The Crown colonies are unmixed dependencies, where the legislature is controlled by an executive containing a majority of Crown officials.

The *Protectorates*, such as Somaliland, differ from Crown colonies in that the inhabitants are not British subjects and that the territory does not belong to the British Crown though it is under British suzerainty. The *Mandated Territories* are those which before the war of 1914-18 were German colonies or certain Turkish territories. The rights to those territories were transferred to the League of Nations, which, in its turn, entrusted their administration to certain Allied Powers.

The British Empire, therefore, consists of : 1. The United Kingdom of Great Britain and Northern Ireland ; 2. The self-governing Dominions of Canada, South Africa, Australia, New Zealand and Eire ; 3. The dependent Empire, India and Burma ; 4. The colonial empire consisting of Crown colonies, Protectorates and Mandated Territories. These are : (a) *Colonies*—Gibraltar, Malta, Cyprus, Aden, Borneo, Ceylon, Kenya Colony, Zanzibar, Mauritius, Nyasaland, Rhodesia, Nigeria, Gambia, Bermuda, Falkland, Islands, British Guiana, British Honduras, Newfoundland, Bahamas, Jamaica, Trinidad, Fiji, etc. (b) The *Protectorates* are Perim Protectorate, Kenya Protectorate, Uganda, Somaliland, Bechuanaland, Gold Coast Protectorates, Sierra Leone Protectorate. (c) The *Mandated Territories* are Palestine, Cameroon, Togoland, S.-W. Africa, Territory of New Guinea, Western Samoa and Nauru. The Anglo-Egyptian Sudan is a *Condominium*.

ITS CHARACTER

The British Empire, strictly speaking, is neither a State nor a Federation. It has no constitution, no Government of its own, and no central executive. It has grown and has not been made and is still in the process of growth. The relationship between the different parts of the Empire is still undefined and is at the initial stage of development. Until 1926, the Mother of Parliaments was regarded as the supreme legislative authority of the Empire and the King was the Head of the Empire. But after the war of 1914-18, the Dominions wanted to be recognized as equal member-States of the Empire. The result was the Imperial Conference of 1926 which defined the Mother Country and the Dominions "as autonomous communities within the British Empire, equal in status, in no way subordinate, one to another, in any aspect of their domestic or external affairs, though united by a common allegiance

to the Crown and freely associated as members of the British Commonwealth of nations." The Statute of Westminster, the result of the Imperial Conference of 1931, removed the legislative supremacy of the British Parliament. The Statute, ratified by the British Parliament, empowered Dominion Parliaments to repeal or amend any Acts of British Parliament, applying to them and provided that no Act of Parliament at Westminster was henceforth to extend to a Dominion except with the consent of that Dominion. The position to-day, as it is, is that, the Dominions are sovereign States and the British Empire so far as the United Kingdom and the Dominions are concerned is a confederation of States.

The Dominions now reserve the right to declare war or make peace and are discarding the former principle that "when the King is at war, the Empire is at war." During the present war the Dominions declared war individually after a vote of their own Parliament. Though all Dominions are now at war, Eire has declared neutrality. The new constitution of 1937, enforced on December 29, 1937, declares "the right of the Irish nation to choose its own form of Government and determine its relations with other nations" and Ireland is declared as "a sovereign, independent, democratic, Catholic State." It is significant that there is no mention of the British Crown in the Constitution. The post of the Governor-General has been abolished and an elected President is now the head of the State.

THE UNITED KINGDOM

The United Kingdom consists of England, Scotland, Wales, and Northern Ireland. The area of the United Kingdom is 94,277 sq. m., and the present population is 47,500,000. The following table gives the area and population of the United Kingdom in details :

<i>Divisions</i>	<i>Area sq. miles</i>	<i>Males (on April 27, 1931)</i>	<i>Females</i>	<i>Total population</i>
England (including Monmouthshire)	50,874	18,061,643	19,732,300	37,794,008
Wales	7,466	1,071,367	1,087,007	2,158,374
Scotland	30,405	2,325,523	2,571,457	4,842,960
Isle of Man	221	22,443	26,865	49,308
Channel Islands	75	44,099	49,106	93,205
Northern Ireland	5,200	623,154	656,591	1,279,745
<i>Total*</i>	94,441	22,148,229	24,069,385	46,217,615

CONSTITUTION AND GOVERNMENT. The British constitution, mainly unwritten and therefore flexible, has grown and has not been made. There are no doubt certain constitutional laws, but they are not so large, or systematic as to be the basis of a constitution. The form of Government is constitutional monarchy, the throne is hereditary, and succession is by primogeniture. Though the Chief Executive of the State is the Crown, the British constitution is a harmonious blending of the three classes of Government enumerated by Aristotle, viz., monarchy, aristocracy, and democracy. The Crown, the head of the Church and Government is the monarchical element, while the House of Lords and the House of Commons represent respectively

aristocratic and democratic elements. But in practice the democratic element as represented by the House of Commons is the supreme power of the realm. The executive power of the State is exercised in the name of the Crown by the Prime Minister and his fellow Ministers. The Cabinet, as a whole, may be made and unmade by the House of Commons and hence the House of Commons is the ruling House in the Kingdom. The Government is strictly parliamentary in that it must have the support of the majority of the House of Commons, an elected body and actually the ruling part of the legislature.

THE CROWN. The Crown, as the Head of the State, is still theoretically the only person who represents sovereignty. He is above the laws and is himself the source of all laws and religion. His prerogatives though exercised on the advice of responsible Ministers, are wide and many. He can declare war and make peace, can call and dissolve the Parliament, can pardon offenders or grant amnesty and can pass ordinances, even independently of the Parliament. But he cannot levy taxes.

BRITISH PARLIAMENT. The British Parliament, the mother of Parliaments, consists of two Houses. The House of Commons is the lower but practically the ruling house since 1911. It has 615 members elected by universal adult suffrage, England sending 492, Wales 36, Scotland 74, and Northern Ireland 13 members. Members of the English, Scottish and Roman Catholic Churches, certain Government officials, sheriffs and Government Contractors are ineligible for election. The House of Commons is elected for a maximum period of five years but can be dissolved earlier. Members of the House receive an annual salary of £600. The House is presided over by the Speaker. The powers of the House of Commons have in the present century increased to the extent of placing the Upper House in a secondary position. By the Parliament Act of 1911, the House of Commons has been made supreme in all money matters, and in the matter of other Bills, the powers of the House of Lords have been curtailed to the extent of rendering its veto ineffective in the long run, and the House of Commons supreme.

The Upper House, the House of Lords, consists of Lords Spiritual and Lords Temporal. The two Archbishops and 24 English Bishops constitute the Lords Spiritual. The Lords Temporal consist of the Royal Dukes, the Dukes and all Lords in so far as they are peers of the United Kingdom, and their seats are hereditary. In addition, there are 28 Irish peers elected for life, 16 Scottish peers elected for the duration of Parliament, and 7 Law Lords. The Lord Chancellor, who is a member of the Government, presides over the Upper House. By convention, three Cabinet Ministers are to be members of the House of Lords. The House of Lords also sits as the highest court of law in the country.

THE LEGISLATIVE PROCEDURE. Bills passed by the House of Commons must receive the approval of the Lords before receiving the assent of the Crown. But the House of Lords has no veto on financial Bills and on other Bills its veto is temporary. The King who possesses the prerogatives of veto and certification has not used the power since the days of Charles I, and the right has come to be obsolete for all practical purposes.

THE CABINET. The Cabinet or the Executive Committee of the Parliament and practically of the House of Commons is formed by the Prime Minister who is the leader of the majority party in the Commons. But besides the Cabinet Ministers there are also a number of Ministers who are not

in the Cabinet. At present there is an inner War Cabinet of eight Ministers who shape the military policy of the Government.

POLITICAL PARTIES. The Parliamentary system of Government has led to the development of political parties. And the traditional two-party system, though it has recently changed, has for the last few years been replaced by a national or all party Government consisting of the members of all the three parties. The Liberal Party has, however, lost its importance and Labour has taken its place. The strength of the political parties in England as indicated by the last general election is given below :

	<i>No. of M. P.'s</i>	<i>Number of votes obtained</i>
Conservatives	375	10,496,000
Liberals	19	1,400,000
Labour	168	8,325,000

The total number of votes polled at the election was 22,000,000, and the total number of seats in the Commons, 615.

Royal Family

(HOUSE OF WINDSOR)

The King—His Most Excellent Majesty George VI, K. G., K. T., K. P., G. C. M. G. by the grace of God of Great Britain, Ireland and of the British Dominions beyond the seas, King, Defender of the Faith, Emperor of India, born December 14, 1895, second son of late King George V, succeeded to the Throne on 11th December, 1936 on the abdication of his elder brother, King Edward VIII on December 10, 1936 and crowned at Westminster, May 12, 1937, married April 26, 1923 the Lady Elizabeth Angela Marguerite Bowes-Lyon, born August 4, 1900.

King's children—H. R. H. Princess Elizabeth Alexander Mary (Heiress-presumptive to the Throne), born April 21, 1926 and H. R. H. Princess Margaret Rose, born August 21, 1930.

Brothers and Sisters of the King—H. R. H. the Duke of Windsor, ex-King Edward VIII, elder brother of King George VI, succeeded to the throne on January 20, 1936, abdicated in favour of his younger brother on December 10, 1936 on account of marriage question, married Mrs. Wallis Warfield, June 3, 1937.

H. R. H. the Duke of Gloucester, born March 31, 1900, married November 6, 1935, Lady Alice Montagu-Douglas-Scott, the Duchess of Gloucester, born December 25, 1901.

H. R. H. The Princess Royal (Victoria Alexander Alice Mary), Countess of Harewood, born April 25, 1897, married February 28, 1922, Viscount Lascelles, now 6th Earl of Harewood and has two sons, Hon. Viscount Lascelles and Hon Gerald David Lascelles.

British Monarchs since the Union of England and Scotland

<i>Year of accession</i>	<i>House of Stuart</i>	<i>Year of accession</i>	<i>House of Hanover</i>
1603	James I	1714	George I
1625	Charles I	1727	George II
	<i>Commonwealth</i>	1760	George III
1649	Parliamentary	1820	George IV
	Executive	1830	William IV
1653	Protectorate	1837	Victoria
	<i>House of Stuart</i>		<i>House of Saxe-Coburg</i>
1660	Charles II		<i>and Gotha</i>
1685	James II		
	<i>House of Stuart- Orange</i>	1901	Edward VII
1689	William and Mary		<i>House of Windsor*</i>
1694	William III		
	<i>House of Stuart</i>	1910	George V
	Anne	1936	Edward VIII
1702		1936	George VI

THE BRITISH MINISTRY (The War Cabinet)

Prime Minister, First Lord of the Treasury and Minister of Defence,	The Rt. Hon. Winston Spencer Churchill.
Secretary of State for the Dominions and Deputy Prime Minister,	The Rt. Hon. Clement Richard Attlee.
Lord President of the Council.	The Rt. Hon. Sir John Anderson.
Secretary of State for Foreign Affairs and Leader of the House of Commons,	The Rt. Hon. Anthony Eden,
Home Secretary and Minister of Home Security,	The Rt. Hon. Herbert Morrison.
Minister of Production.	The Rt. Hon. Oliver Lyttelton.
Minister of Labour and National Service,	The Rt. Hon. Ernest Bevin.
Minister of State (Middle East)	The Rt. Hon. R. G. Cassey.

Other Ministers (not in the War Cabinet)

Chancellor of the Exchequer,	The Rt. Hon. Sir Kingsley Wood.
First Lord of the Admiralty.	The Rt. Hon. Albert Victor Alexander.
Secretary of State for War,	The Rt. Hon. Sir James Grigg.
Secretary of State for Air.	The Rt. Hon. Sir Archibald Sinclair,
Lord Chancellor,	The Rt. Hon. Viscount Simon.
Lord Privy Seal and Leader of the House of Lords,	The Rt. Hon. Viscount Cranborne.
Secretary of State for the Colonies.	Colonel Rt. Hon. Oliver Stanley.
Minister of Supply,	The Rt. Hon. Andrew Rae Duncan.

* This change of title was made in July 17, 1917, by King George V. Formerly this house was called the House of Saxe-Coburg and Gotha.

Other Ministers (not in the War Cabinet)—(Contd.)

President of the Board of Trade.
Minister of Information.
Secretary of State for India and Burma,

Minister of Health,
Minister of Food,
Secretary of State for Scotland,
President of the Board of Education,
Minister of Agriculture,
Minister of Aircraft Production,
Minister of War Transport,
Minister of Economic Warfare,
Minister of Fuel and Power,

Minister Resident in West Africa,
Deputy Minister of State (Middle East)
Chancellor of the Duchy of Lancaster,
Minister of Pensions,
Minister of Works and Planning and
First Commissioner of Works,
Postmaster-General,
Attorney-General,
Solicitor-General,
Paymaster-General,
Lord Advocate,
Solicitor-General for Scotland,

The Rt. Hon. Hugh Dalton.
The Rt. Hon. Brendan Bracken.
The Rt. Hon. Leopold Stennett
Amery.
The Rt. Hon. Earnest Brown.
The Rt. Hon. Lord Woolton.
The Rt. Hon. Thomas Johnston.
The Rt. Hon. R. A. Butler.
The Rt. Hon. Robert Hudson.
The Rt. Hon. Sir Stafford Cripps.
The Rt. Hon. Lord Leathers.
The Rt. Hon. The Earl of Selborne.
Major The Rt. Hon. Gwilym Lloyd
George.
The Rt. Hon. Viscount Swinton.
The Rt. Hon. Lord Moyne.
The Rt. Hon. Alfred Duff-Cooper.
The Rt. Hon. Sir W. J. Womersley.
The Rt. Hon. Lord Portal.

The Rt. Hon. H. F. C. Crookshank.
The Rt. Hon. Sir Donald Somervell.
Major Sir. D. P. Maxwell-Fyfe.
The Rt. Hon. Lord Cherwell.
The Rt. Hon. J. S. C. Reid.
Sir T. D. King Murray.

In addition there are a number of minor Ministers including Under-Secretaries of State and Parliamentary Secretaries.

British Prime Ministers

Sir R. Walpole	1721	Duke of Portland	1788
Earl of Wilmington	1724	William Pitt (the younger)	1788
Henry Pelham	1743	Henry Addington	1801
Duke of Newcastle	1754	William Pitt (2nd time)	1804
Duke of Devonshire	1756	Lord Grenville	1806
William Pitt (afterwards Earl of Chatham and Duke of Newcastle)	1757	Duke of Portland (2nd time)	1807
Earl of Bute	1762	Spencer Perceval	1809
George Grenville	1763	Lord Liverpool	1812
Marquess of Rockingham	1765	George Canning	1827
Earl of Chatham (2nd time)	1766	Lord Goderich	1827
Duke of Grafton	1767	Duke of Wellington	1828
Lord North	1776	Earl Grey	1830
Marquess of Rockingham (2nd time)	1782	Viscount Melbourne	1834
Earl of Shelburne (afterwards Marquess of Lansdowne)	1782	Sir Robert Peel	1834
		Viscount Melbourne (2nd time)	1835
		Sir Robert Peel (2nd time)	1841
		Lord John Russell	1846
		Earl of Derby	1852

British Prime Ministers—(Contd.)

Earl of Aberdeen	1852	Earl of Rosebery	1894
Viscount Palmerston	1855	Marquis of Salisbury (3rd time)	1895
Earl of Derby (2nd time)	1858	Arthur James Balfour	1902
Viscount Palmerston (2nd time)	1859	Sir H. Campbell-Bannerman	1905
Earl Russel (2nd time)	1865	Herbert Henry Asquith (L)*	1908
Earl of Derby (3rd time)	1866	David Lloyd George (Coalition)	1916
Benjamin Disraeli (afterwards Earl of Beaconsfield)	1868	Andrew Bonar Law (C)	1922
William Ewart Gladstone	1868	Stanley Baldwin (C)	1923
Earl of Beaconsfield (2nd time)	1874	J. Ramsay MacDonald (Lab.)	1924
Mr. Gladstone (2nd time)	1880	Stanley Baldwin (2nd time) (C)	1924
Marquis of Salisbury	1885	J. Ramsay MacDonald (2nd time) (Nat.)	1924
Mr. Gladstone (3rd time)	1886	Stanley Baldwin (3rd time) (Nat)	1935
Marquis of Salisbury (2nd time)	1886	N. Chamberlain (Nat.)	1937
Mr. Gladstone (4th time)	1892	W. Churchill (Nat.)	1940

Local Government

Local government is carried on through popularly elected councils. England and Wales are divided principally into 62 administrative counties, and 83 county boroughs, the respective councils being the appropriate local authorities. In London some functions are discharged by the London County Council, the rest being vested in the common council of the City of London and 28 Metropolitan Boroughs. In addition, there are 300 non-county boroughs, 581 urban and 476 rural districts. Borough councils are under Lord Mayors or Mayors, the rest have Chairmen as their heads. Some minor functions in rural districts are discharged by the Parish councils. In Scotland, the divisions are similar on the same broad lines. Each burgh of the principal classes—Royal Burghs, Parliamentary Burghs and Police Burghs—has a Town Council. The officials are Lord Provost or Provost, Bailies—corresponding to the English Lord Mayor or Mayor, Aldermen and Councillors. The burghs numbered 201 and parishes 869 in the 1921 census. By an Act in 1929, local government machinery in Scotland was brought into line with the English model. The new units of local government in Scotland are county councils and burghs with a population of over 20,000.

REVENUE AND EXPENDITURE OF THE BRITISH GOVERNMENT

Year	Revenue in million £ (Budget estimate)	Revenue Account
1935-36	826.2	845
1936-37	894.2	897
1937-38	928.1	948.7
1938-39	1,025.2	1,006.2
1939-40†	...	1,049
1940-41	1,338	1,409
1941-42	1,686	...
1942-43	2,400	...

* (C) Conservative ; (L) Liberal ; (Lab.) Labour ; (Nat.) National.

† Ordinary revenue and expenditure.

<i>Year</i>	<i>Expenditure in million £ (Budget estimate)</i>	<i>Revenue account</i>
1935-36	824·8	841·8
1936-37	898·7	902·2
1937-38	988·1	919·9
1938-39	1,032·2	1,019
1939-40*	...	1,318
1940-41	2,667	4,069
1941-42	4,806	...
1942-43	5,286	...

UNITED KINGDOM'S NATIONAL DEBTS

<i>Year</i>		<i>Gross Debts & terminable annuities in million £</i>
1908 (end)	...	798
1914	...	708
1932-33	...	7,860
1935-36	...	7,902
1936-37	...	7,910
1938-39	...	8,301
1939-40	...	9,047
1940-41	...	10,873
1941-42	...	13,554
1942-43	...	...

Production & Trade

Great Britain is mainly an industrial country, the principal industrial productions being iron and steel, cotton textile, machinery and mill-work, ship-building, coal mining, automobile manufacture, etc. In 1935, the total value of industrial production was estimated to be £3,464 millions. The total value of minerals produced from British mines was £215 millions in 1938. Agriculture is a minor industry and only 20% of the British population can live by the production of the British soil. The United Kingdom usually imports far in excess of what she exports. A heavy unfavourable balance of trade is a normal feature of great Britain's foreign trade. But the deficit in trade in merchandise is made good by receipts from sources like interest and profit from investments abroad, earnings of Britishers abroad sent home, moneys spent by foreigners in England, shipping income, profits made by British banks in financing foreign trade, etc.

The United Kingdom is the largest purchaser in the world market.

* Ordinary revenue and expenditure.

The following table gives the value of exports and imports in 1935, 1937, 1938, 1939 and 1940 :

	<i>Total imports million £</i>	<i>Total exports million £</i>	<i>Balance of trade million £</i>
1935	756	481	-275
1937	1,028	597	-431
1938	910	532	-388
1939	886	485	-401
1940	1,100	489	-661

U. K.'s exports and imports for the first 9 months of 1940 are £367·4 millions and £872 millions respectively. Britain's best or largest customers are her Dominions, India and Burma, and on her part she purchases liberally and enormously from these countries.

The following table indicates the directions of U. K.'s foreign trade with the Dominions, India and Burma :

<i>Country</i>	<i>Imports million £ 1938</i>	<i>Exports million £ 1938</i>
Canada	78·6	22·5
South Africa	14·6	39·5
Australia	72·1	38·2
New Zealand	46·8	19·2
INDIA & BURMA	56	36·4

The direction of British trade in 1938 with certain foreign countries is given below :

<i>Country</i>	<i>Imports million £</i>	<i>Exports million £</i>
U. S. A.	118	20·5
Soviet Union	19·5	6·4
France	23·6	15·2
Germany	30·2	20·6
Norway	11	7·6
Sweden	24·6	11·7
Netherlands	29·3	13·1
Belgium	18·6	8·2
Portugal	3·7	3
Spain	5·7	3·4
Italy	7·2	5·7
Japan	9·2	1·8

The following table shows the percentage enjoyed in the foreign trade of United Kingdom in 1937 by Empire and non-Empire countries respectively :

	<i>% of Imports to U. K.</i>	<i>% of Exports from U. K.</i>
British Empire	39·48	48·32
Foreign Countries	60·57	51·68

* + indicates favourable balance and - indicates unfavourable balance of trade.

The following table gives the imports and exports of gold in million £ :

<i>Year</i>	<i>Imports, million £</i>	<i>Exports, million £</i>	<i>Net import or Export million £</i>
1984	262·5	28·7	+ 233·8
1985	244	174	+ 170
1986	814·3	86·6	+ 227·7
1987	295	215·5	+ 79·5
1988	240	302·3	- 62·3

Monetary Gold in Great Britain

The United Kingdom's gold resources in the bank of England and in the Exchange Equalisation Fund amounted together to 70,950,000 ounces, worth £671,600,000 on March 31, 1989. According to the Federal Reserve Board (U. S.) Bulletin, the above figure had fallen to £500,000,000 by the end of August 1989.

The following table shows U. K.'s gold reserves, dollar balances, readily marketable securities in U. S. A. and other investments in U. S. A. at the end of August 1989 :

	<i>Million £</i>
1. Central Gold Reserve in England*	500
2. Dollar Balances	149
3. Securities readily marketable in U. S. A.	184
4. Direct and other investments	225

Total £ 1,058 millions

NORTHERN IRELAND

Northern Ireland has a population of 1,279,745, according to the census of 1987 and its area is 5,200 sq. miles. It comprises the six northern counties of Antrim, Armagh, Down, Fermanagh, Londonderry, and Tyrone. Its capital is Belfast. During the Irish Home Rule movement Ulster was the centre of the Irish Protestant Party who opposed the freedom movement of de Valera. In popular political and diplomatic jargon, Ulster often designates Northern Ireland. It returns 18 members to the House of Commons and enjoys limited self-government. Northern Ireland has a Parliament of two houses and a separate Government. Certain fiscal and legislative powers are reserved to the British Government. Most of the inhabitants are pro-British and Protestant, though there is a small minority of pro-Irish inhabitants in Fermanagh and Tyrone.

* After the outbreak of the war, the gold reserves of the Bank of England were transferred to the Exchange Equalisation Fund and the total of £500 million means the total of the gold reserves in the Bank of England and in the Exchange Equalisation Fund. Besides the above, as Mr. J. M. Keynes in his *How to Pay for the War* estimates, the annual gold production of the British Empire may be put at £187,000,000. Moreover some part of the gold reserves in the Empire can be utilized by the mother country.

Agriculture is the major industry in Northern Ireland. There are about 90,000 holdings mostly small. In recent years the production of pigs has considerably risen. Oats are extensively grown in Northern Ireland, though wheat, barley, potatoes are also farmed. The value of the annual agricultural production of the province is put at more than £15,000,000. Among mineral productions, chalk, clay, fireclay, igneous rock, limestone and sandstone are the most important. Coal is also mined. The most important industrial productions are linen and shipbuilding. Other important productions are tobacco, scaps, aerated waters, aircraft, etc.

Finance : The Imperial authorities,—i. e. the Government of the United Kingdom—impose the bulk of taxation, though they make certain deduction and remit the balance to the Northern Irish exchequer. But there is also local taxation, the local Parliament enjoying independent powers of taxation excepting in matters of custom duties, excise duties on articles, excess profits duty, corporation tax, etc. It has no power to impose or to collect income or super-tax. According to the budget estimate of 1939-40 the revenue and expenditure of Northern Ireland were respectively £13'9 millions and £18'8 millions.

The *Governor* is the Duke of Abercorn appointed on December 8, 1922. The appointment has been twice extended. (Salary £8,000 p. a.) The *Prime Minister* is Sir J. M. Andrews (£3,200 p. a.)

DOMINIONS

THE DOMINION OF CANADA

Area and Population : The total area of the Dominion is 3,694,868 sq. miles of which 3,466,556 sq. miles are land, the rest being fresh water areas. The population according to the 1931 census was 10,376,786, an increase of 1,589,148 over the past decade.

Constitution and Government. The present constitution of the Dominion is based on the North American Act of 1867 of the Imperial Parliament, which came into force on July 1 of the same year. The legislative power was vested in a Canadian Parliament of two Houses, Senate and House of Commons and the administration, vested in the Sovereign of Great Britain and Ireland is carried on in his name by a Governor-General and Privy Council. The present completely autonomous position was defined at the Imperial Conference of 1926. The form of Government is federal and not unitary. The nine provinces of Prince Edward Island, Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, British Columbia, Alberta and Saskatchewan have separate Parliaments and Lieutenant-Governors. They have full autonomy in local matters so long as they do not encroach on Central affairs. The Yukon Territory and North Western Territories are governed by Commissioners assisted by Councils. The Senate has 96 members nominated for life. The House of Commons has 245 elected members. The *Governor-General* is Earl of Athlone and the *Prime Minister* is Right Hon. W. L. Mackenzie King. The capital is Ottawa. The official languages are French and English.

Finance : The estimated revenue and expenditure for 1940-41 were 650,000,000 and 488,000,000 dollars respectively, exclusive of war expenditure. On March 31, 1940 the net national debt was 3,271,259,647 dollars.

Trade, Commerce and Industry : In spite of the recent phenomenal expansion of manufacturing industries, Canada is largely agricultural. About 861 million acres are suitable for cultivation, of which about half is actually cultivated. Wheat is the largest field crop, next being oats. The respective estimates of these two crops in 1939 were 449 million and 373 million bushels. Dairying, fruit farming, ranching, forestry, fisheries and mining are also important. The customs tariff is protective but Imperial Preference is usual. The imports of merchandise for home consumption was 658,228,034 dollars in 1938, the exports being 969,770,151 dollars. U. S. A. absorbs the largest proportion of Canada's foreign trade; the U. K. occupies the second place. The chief imports were, in order of their values, newsprint, gold bullion, wheat and nickel.

THE COMMONWEALTH OF AUSTRALIA

Area and Population : The total area of the Commonwealth is 2,975,581 sq. miles. The estimated population at the end of 1938 was 6,929,691. The last census in 1933 returned a figure of 6,629,899.

Constitution and Government : The Commonwealth was proclaimed on January 1, 1901 and comprises six Original States (formerly colonies) of New South Wales, Victoria, Queensland, South Australia, Western Australia and Tasmania. The Executive power is exercised by the Governor-General in the name of the King, assisted by an Executive Council of 14 ministers. The Federal Parliament, which exercises its authority on specifically enumerated subjects, has two Houses : the Senate with 36 senators elected for six years, half the Senators retiring every three years; and the House of Representatives with about 72 elected members. The Original States have separate Parliaments which retain the residuary power over their own territories. The *Governor-General* is Baron Gowrie. The *Prime Minister* is Rt. Hon. John Curtin. The Federal capital is Canberra.

Finance : The estimated receipt and normal expenditure in 1940-41 were respectively £150,000,000 and £276,000,000 including war expenditure. The total national debt at the end of June, 1939 was £1,295,023.

Trade, Commerce and Industry : Agriculture, sheep farming, dairying are important. The chief crop is wheat, the yield in 1937-38 being over 187 million bushels. Mining, particularly of gold, is also important.

The tariff is protective with Imperial Preference. The imports and exports in 1938-39 were respectively £102,156,852 and £112,201,372. The greatest portion of Australia's foreign trade is absorbed by the Empire, the second position being occupied by the United States. The chief exports are wool, dairy produce, cold meats, wheat, and fruits and vegetables. The chief imports are machinery and iron and steel, piece-goods, petroleum and mineral oil, tea and tobacco.

NEW ZEALAND

Area and Population : The area of the Dominion is 103,772 sq. miles. The population according to the 1936 census was 1,573,810, the average increase per cent per year over the last census being 1.1 including aborigines.

Constitution and Government : The present form of Government was established in 1857. The colony was changed to a Dominion on September

26, 1907. The Government is unitary and is exercised by the Governor-General with the help of the Cabinet. The legislative power is vested in the General Assembly, a bicameral legislature of two Houses. The upper House, the Legislative Council, has 86 members who hold office for seven years: the lower House, the House of Representatives, has 80 members, elected for three years. The *Governor General* is Sir Cyril L. N. Newall. The *Prime Minister* is Rt. Hon. Peter Fraser. The capital is Wellington.

Finance : The Budget estimates for revenue and expenditure for 1940-41 were £87,080,000 and £87,094,000 respectively. The gross public debt at the end of March, 1940 was about £922,907,586 (sterling).

Trade, Commerce and Industry : Agriculture including its branchess of dairy, fruit farming, cattle and sheep breeding, is the most important industry. The chief crops in order of their importance, are wheat, oats and barley. Gold, silver and coal are mined. Exports and imports (exclusive of specie) in 1938-39 amounted respectively to £NZ 56,499,607. About 90% of trade is with the Empire, the United Kingdom taking the largest share. Dairy produce is the chief export, next in importance being meats, wool, hides and skin, and gold. The principal import is manufactured goods.

UNION OF SOUTH AFRICA

Area and Population : The area of the Union is 472,550 sq. miles. The 1936 census returned a population of 9,589,898 of which 2,008,857 were European and 7,586,041 non-Europeans.

Constitution and Government : The self-governing colonies of the Cape of Good Hope, Natal, the Transvaal and the Orange River Colony were united as the Union of South Africa by an Act of the Imperial Parliament in 1909. This was put into effect on May 31, 1910, the colonies becoming original provinces, the Orange River colony changing its name to the Orange Free State. The executive power is exercised by the Governor General, with an Executive Council. The Parliament has two Houses, the Senate and the House of Assembly. The former has forty senators, eight nominated and the rest elected, all of whom must be of European descent. The House of Assembly has 150 members, who also must be Europeans. Since 1936, non-European natives are allowed to send 4 additional members to the Senate and three to the House of Assembly. The provinces have separate legislatures.

The Present *Governor General* is Sir Patrick Duncan. The *Prime Minister* is Field Marshal the Right Hon. J. C. Smuts. The seat of the Union Government is Pretoria, while the seat of the Parliament is Cape Town. The official languages are English and Dutch, including Afrikaans, a local variant.

Finance : The estimates of revenue and expenditure for 1940-41 were respectively £44,868,000 and £78,640,000. The gross public debt of the Union stood at £290,400,000 on March 31, 1940.

Trade, Commerce and Industry : Agriculture, fruit farming, live-stocks are important. The principal crops are mealies, wheat, barley, potatoes, sugarcane. Mining is an important industry, the principal commodities being gold, diamond, and coal. The principal imports are manufactured goods. Chief exports are gold, wool, diamond, fruits and coal. The greatest trade is with the Empire, the U. K. taking the biggest share.

EIRE

Area and Population : The area of Eire is about 26,000 sq. miles or 17,024,465 statute acres excluding waterways. The population according to the census of 1936 was 2,968,420.

Constitution : Ireland was formerly a part of the United Kingdom. An uprising against British rule took place in 1916 when a Republic was declared. The uprising was put down but armed revolt recurred in 1919 and continued until 1922. In December 1918, a national Parliament, *Dail Eireann*, was elected by the people. The Dail reaffirmed the country's independence. By an Act of the British Parliament in 1920 separate Parliaments were established in Southern and Northern Ireland, the former consisting of 26 and the latter of 6 counties. Southern Ireland refused to accept it, as a Republic had previously been declared. Northern Ireland accepted it. A treaty between Great Britain and Ireland was signed on December 6, 1921 by which the rest of Ireland accepted Dominion status under the name of Irish Free State (*Saorstát Eireann*).

The trend of Irish politics since the establishment of the Free State admirably illustrates the centrifugal forces inherent in the structure of the Commonwealth. Several amendments were carried out up to the end of 1936 to the original constitution. The Parliament approved a new constitution on June, 14, 1937 ; a plebiscite endorsed it on July 1, 1937 by 54%, and it came into force on December 29, 1937. Under this new constitution the name of 'Eire' is restored and the country is declared to be a sovereign, independent, democratic State. The Parliament *Oireachtas* consists of two Houses, namely, the House of Representatives or *Dail Eireann* and a Senate or *Seannad Eireann*. The post of Governor-General is abolished and the head of the State is an elected President styled *Uachtaran na h Eireann*. The Crown is nowhere mentioned. The president is advised by an Executive Council. The Prime Minister is styled *Taoiseach*. The Seannad has 60 members 11 of whom are nominated by the Prime Minister. The Dail has 138 members, and the Government is responsible to this House only. While the Statue of Westminster covers all such constitutional changes formally, there has been great speculations whether Eire can still be considered as a member of the British Commonwealth. It is noteworthy that Eire has chosen to remain neutral in the present war.

The *President* is Dr. Douglas Hyde. The *Prime Minister* is Eamon de Valera. The Capital is Dublin. English and Irish are both official languages.

Finance : The estimated revenue and expenditure for 1939-40 were respectively £82,454,000 and £84,448,000.

Trade, Commerce and Industry : Eire's economy is mainly agricultural. The chief food crop is potato. A very large area is under crops in view of the great importance of livestock.

The import and export (including re-export) figures of 1938 were respectively over £41 million and £24 million. The biggest trade is with Great Britain. Chief imports are manufactured goods. The principal exports are livestock and meats, dairy produce and wines and beers.

INDIA

A PANORAMA OF INDIA

GEOGRAPHICAL POSITION AND NATURAL BOUNDARIES

India comprises an area of 1,575,107 sq. miles of which 1,084,774 or 68 per cent is under the British Raj, and the remainder is included in the Indian States. From north to south the extreme points are at latitudes 8° and 37° , and those from west to east are at longitudes $61^{\circ}40'$ & $101^{\circ}15'$. The northern portion of this vast country is in the temperate zone, while the southern portion which is peninsular and is bounded by the sea on east, west and south, is in the tropics. "The greatest length of the country is nearly 2,000 miles and the greatest breadth about 2,500 miles. The land frontier is nearly 6,000 miles, and the coast line measures nearly 5,000 miles." India is remarkable for her natural boundaries. The land frontiers consist of lofty mountain chains. The mountains are the highest towards the north where the *Himalayas* effectually protect India from invasion from the North. But the eastern barriers—the *Assam* and Burmese mountains—are not insurmountable, and the passes in the Western frontiers have been the routes of many invaders. The land frontiers are, no doubt, comparatively well protected by nature. But "there are joints in the armour" The only route to India on the north-Western frontiers are the Khyber and Bolan passes and the only route to India on the north the *Chumbi valley passes* are the only access between India and Tibet. Another joint in the armour of mountain ranges is in the Nepal territories. The sea boundaries are the *Bay of Bengal* on the east and the *Arabian Sea* on the west. The chief characteristics of the coast line which extends over 5,000 miles, are that they contain a very small number of good harbours, and that there are only four openings of any importance into the land.

Geographically speaking, India consists of three well-marked natural divisions. These are I. The mountain region of North India. II. The Indo-Gangetic plain and III. The Deccan plateau; each of these divisions has its own physical and consequently economic characteristics.

I. THE MOUNTAIN REGION: The Hindukush Mountains run to the south west, and the Sulaiman range, and the Khirthar Mountains continue the line. There are several passes across these ranges. Chief among them are the Khyber, the Gumal and Bolan passes. These are the only passages through which India's foreign trade with Afghanistan is carried on; and as such, the economic importance of these passes is immense. But they are, on the other hand, a permanent source of expenditure to the Government, which has spent huge sums of money for fortification purposes, and for maintaining frontier guards who afford protection to the Mussaffirs (travellers) from and to India. To the south-east of this division are great mountain lines, the *Himalayas*. "Acting as a climatic barrier and being the perennial source of the great rivers which moisten the parched lands of Northern India, and endow the soil with inexhaustible fertility they have always exercised the greatest influence, not only on the physical condition of the country, but also on the moral, and economic life of the people." South

of the Himalayas is the low *Sivalik range*, which is separated from the main range by a valley known as the *Dun* in the west, and as *Mars* in Nepal. The economic wealth of this region consists, chiefly of (1) *Forests*; (2) *Water power* which can be, and is being utilized in producing cheap electricity; (3) *Agricultural products* like rice, maize, millets, wheat, barley and tea. Damp heat is very favourable to tea cultivation, and the tea gardens of Darjeeling and Assam valley are the best ones in India, and supply more than 80 per cent of the total tea output of India. Fruit is grown in the drier and sunnier parts of the regions, especially in *Kashmir* and in the *Kulu* and *Peshawar* districts of the Punjab.

II. THE INDO-GANGETIC PLAIN : This forms the major portion of the continental part of the country. It is enclosed on the west and the north by great mountain walls—the Hindukush and the Himalayas and the southern boundaries are the *Bay of Bengal* and the *Vindhya Ranges*. To the east is the hilly province of Assam. In this region the population is dense, and the soil most fertile, and consequently agriculture is carried on both extensively and intensively. The three great rivers which account for this economic importance are (1) *The Ganges*, (2) *The Brahmaputra*, and (3) *The Indus*. These are the principal drainages of the division, and have added to the wealth of India in the sense in which the Thames is said to be a permanent source of prosperity to England.

(1) *The Ganges* is the first in order of economic importance. It is the national river of India, as the Thames, the Seine, and the Rhine are the national rivers of England, France, and Germany respectively. The economic importance of this great river is perhaps symbolized by the fact that the Hindus consider this river as sacred, and attach a sort of religious sanctity to the river and its water. The *Ganges valley* has been the home of a civilization, the origin whereof can be traced as far back as 4,000 B. C. A considerable portion of the river is navigable. It is fed by a number of tributaries which get their supply from the melting of snows of the Himalayas and the monsoon rainfall. The great river brings down and deposits the silt, which is responsible for the fertility of the valley.

(2) *The Brahmaputra*, of which a considerable part is in Tibet, becomes an Indian river when it enters north-eastern Assam. During the rains it floods and fertilizes hundreds of square miles of the country. In no part of its course it is more than 600 ft. above the sea level, and it therefore flows slowly and furnishes a high road for steamer traffic between Assam and Bengal.

(3) *The Indus* : Flowing north-west through Tibet and Kashmir it enters the Punjab. It receives the Kabul river at Attock, and below it unites with the accumulated waters of the "five rivers" of the Punjab. The delta which the river forms at its mouth covers an area of 3,000 square miles. The river often rises to destructive floods during the months from May to August. The importance of the river is enormous for irrigation purposes, and some of the remarkable agricultural developments of Sind owe much to this river.

The alluvial plains created and maintained by the above great river system extend over the province of Bengal, Lower Assam, and the main part of the United Provinces of Agra and Oudh, and over the Punjab and Sind. The chief agricultural products of the great division are rice, wheat, jute, barley, millets, sugar-cane and oil seeds. Rice is extensively grown on the *Ganges*

valley where the silt deposits of annual floods fertilize the soil. Jute is a monopoly of Bengal. In the more humid and equable climate in the eastern portion of this region, opium and indigo are conveniently cultivated, and millets, sugar-cane, and oil seeds are grown all over the plain. Wheat and barley grow during the cold winter of the Punjab. The importance of the Punjab as a seed-producing, and especially as a wheat-producing country is fast increasing.

III. THE DECCAN PLATEAU : With the *Vindhya Range* as the base and the *Cape Comorin* as the apex, the Deccan or *Dakshinatyā* resembles a triangle. The Deccan consists of the whole of the peninsular India which lies within the tropics. It is bounded on three sides by mountain ranges which may be considered as the sides of the triangle. On the north stand the two parallel lines--the *Vindhya* and the *Satpura Ranges*;--and on the eastern and the western sides stand respectively, the *Eastern Ghat* and *Western Ghat* mountains, which "meet and culminate in the south in a knot of mountains--the *Nilgiri Hills*. Bounding the Deccan on the east and the west are two coast strips of flat land, that on the west being much narrower than that on the east. The western coast strip is called the *Konkan* in the north, and *Malabar coast* in the south. The western coast strip is known as the *Corromandel coast*, the southern part, where it is much wider than in the north, receiving the special name of the *Carnatic*."

The Rivers The general slope of the tableland is from west to east, and most of the great rivers, therefore, flow into the Bay of Bengal. The drainage of the *Vindhya* and *Satpura* mountains is westwards into the Arabian Sea. The *Mahanadi*, *Kistna*, *North and South Pennar*, *Cauvery* and *Vaughan* flow into the Bay of Bengal, while the *Tapti* and the *Narabada* pour themselves into the Arabian Sea. A considerable portion of the *Mahanadi* is navigable. The *Godavari* which traverses the entire breadth of the peninsula, is the longest river in the Deccan, being 900 miles in length. It has the largest basin. The *Cauvery* encloses a series of islands in its course, and rapids formed in its descent to the coast plain are, in some places, of great value as scenery. The *Narabada* and the *Tapti* run almost parallel, and both have rapid courses through deep gorges, both enter the Gulf of Cambay by estuary and both are hardly navigable.

The principal vegetation of the Deccan consists of rich forests, *cinchona* trees and *coconut* palm. The most important agricultural product is *cotton*. *Rice* is grown on the Madras coast plains; *millets*, *oil-seeds*, *sugar-cane* and *tobacco* are generally distributed on the plain. *Tea* and *coffee* plants grow on the warm damp hill sides in the south, and spices flourish along the south-east coast.

Climate and Rainfall

India presents a great variety of climate and rainfall. Dryness and moisture, heat and cold,—these extremes are most typically found. In northern parts of the country summer brings extreme heat and winter most intense cold. Northern India, lying beyond the Tropic of Cancer, presents complex variations in temperature. The peninsula which is a tropical region has almost a uniformly hot climate throughout the year. There is practically speaking no cold season there. The variations in rainfall are also equally marked. While the average rainfall in India is somewhere near 45

inches, Cherrapunji receives 160 inches in the year, and Sind gets not more than 7 inches only. In respect of the quantity of annual rainfall the first few positions of honour are occupied by Konkan, Assam, Malabar, Bengal, Orissa, and Bihar respectively.

The Monsoons

The Indian rainfall is periodic, and the rainy season more or less continues from June to September. Rainfall is largely influenced by what is known as the Trade Winds or monsoon currents. There are two such currents—the south-west monsoon and the north-east monsoon. The land during the summer warms up more than the sea. But in winter the water of the sea does not part with its heat so rapidly as land. These two phenomena account for the south-west monsoon (which proceeds from sea to land) from May to September, and north-east monsoon (which blows in an opposite direction) from October to April. The simple explanation of these two opposite currents is that moist and cold air always rushes towards, and replaces, hot and dry air. The south-west monsoon carries with it particles of water which is drawn from the sea and is turned into rain cloud under variation of temperature. Towards the end of May, the burst of south-west monsoon in India takes place in a succession of tremendous thunder storms, and next follows the rainy season which continues for about three months. In October, the north-east monsoon sets in, and lasts up to the end of May. During the continuance of north-east monsoon very little rain falls in India.

The south-west monsoon contributes nearly 90 per cent of the total rainfall in India. Its direction is not everywhere the same. In the Ganges valley it blows from the south-east towards the hot plains of the Punjab and along the Chinese coast the direction is more southerly, while farther north it has a tendency to draw eastward. The south-west monsoon current is conveniently analysed into three currents : (1) *The Bombay current* or the *Arabian Sea current*, (2) *The Bengal current*, and (3) *The Burma current*, or the *Bay of Bengal current*. The Bombay current, which first passes over the Ghats and gives sound showers there, goes farther up to Sind, Rajputana, and the Punjab where it contributes little rain. Consequently these provinces are rainless and dry. The Bengal current freely passes over Bengal, Assam, and Bihar, and is then obstructed by the Himalayas. The rainfall contributed by the Bengal current is almost uniformly abundant. The Burma current which passes over Burma causes heavy downpour over Lower Burma and moderate rainfall over the Upper.

The north-east monsoon contributes not more than 10 per cent of the total rainfall in India. This current is of immense importance to Madras and the Punjab. During its passage over the Bay of Bengal, the north-east monsoon carries considerable amount of moisture and pours the same over Madras and the Punjab.

The economic importance of rainfall in India is of the highest order in as much as rainfall is an imperative necessity for agriculture. A year of drought means a year of scarcity, if not always of famine. Consecutive years of drought in large areas again mean widespread scarcity and famine. Scarcity of rain directly affects agriculture, and agricultural depression, directly and indirectly, affects the economic activities. Export diminishes, the market becomes dull, and consequently import is affected and signs of what is known

as trade depression manifest themselves. Moreover, in rural parts, rainfall has another importance equally indispensable. In a year of drought or insufficient rain, pools and tanks dry up in many cases, and the suffering of people from want of drinking water becomes acute.

Soil

There are four important varieties of soil in India. These characteristic qualities depend on the chemical composition and the quantity of rain they normally get every year. The most important of these is the *alluvial soil*. This comprises the major portion of Bengal, the United Provinces, the Punjab, Rajputana, Gujarat, Sind, and extensive tracts in Assam, Burma and the Godavari, the Kistna and Tanjore districts in Madras, and the coast strips extending along the eastern and western coasts of the Deccan. Alluvial soil in north-western part of India is porous, dry and sometimes sandy. In Bengal it is more compact, moist but less coarse. It is generally rich in phosphoric acid, potash, lime, and magnesia. In some places, however, alluvial soils are very barren, owing to the surface of the earth containing very high percentage of magnesia and soda salts.

The *trap soil* occupies the next place of honour. The whole of the Deccan and considerable parts of the Central Provinces, Hyderabad, and Kathiawar are rich in trap soils. On uplands and hill-slopes where the soils are porous and light the chief crops are *millet*s and *pulses*. But there the productivity of the soil is generally very low. In the lowlands, however, where the soils are thicker, and more fertile, *cotton*, *wheat*, *millet*s and *pulses* are abundantly grown.

Begar or the *black cotton soil* is another important variety. The name 'black cotton' is derived from the fact that the soil has a dark colour and is favourable to the growth of cotton. Its fertility is said to be of a very high order, it being highly compact, tenacious and retentive of moisture. The *rahi* crop flourishes most in this soil, but *kharif* crops also are conveniently grown in many cases. These soils are found in parts of the Deccan.

Besides these three important varieties, there is another variety known as *crystalline soils*. These comprise the rest of India. Soils are generally barren in upland tracts, but "the clayey and brownish loams of the lowlands are fertile." The better varieties of crystalline soils are favourable to a great variety of crops, principal among them being rice.

Flora and Fauna

The term *Flora* indicates the totality of plant species in 'a circumscribed area'. The Flora of India, therefore, means the vegetable kingdom in India. The term *Fauna* is collectively given to the totality of animal life in a country.

The vegetable kingdom in India presents an interesting variety. "The large extent of its area," says Dr. Bannerjee, "and a great variety in physical features and climate, combined with the natural fertility of the soil, enable the country to produce almost every kind of vegetable life. In fact, the flora of India is more varied than that of any other area of the same extent in Asia, if not in the world. Here we find not only the tropical and the sub-

tropical products, but the products of the temperate zone as well". The *Tropical* products include *Rice, Jute, Millets, Sugarcane, Coffee, Cinchona, India Rubber, Gutta-Percha, Bananas, Pineapples*, etc. The principal *Sub-Tropical* produce are *Cotton, Tea, Tobacco, Opium*. And chief among the products of the *Temperate Zone* are *Wheat, Barley, Maize, Potato*, and various fruits.

Animals also are equally various. The most important species, however, is the *Bullock*. The most useful Indian animals are, in their due order of importance, the cow, the buffalo, horse, donkey, sheep, goat, etc. Indian forests and mountains present wonderfully large varieties of beasts, birds and reptiles. A look at any important Zoo will convince one of the vastness of the variety of animal life in India.

It is too much to mention here that, the importance of live-stocks in an almost purely agricultural country like India, is of a supreme kind. Cattle have from times immemorial been regarded in India as important domestic animals. The bulk of the population are vegetarians, and as such milk constitutes an important part in their food. In recent years, the deterioration of the bovine race in India, in number and quality, has attracted much official and non-official attention. The name of the Marwari community deserves mention as being the exponents of a movement for the preservation and betterment of cattle India. Official activities are manifesting themselves, though not in a very satisfactory manner. The local bodies are also slowly realizing the importance of animals.

THE MINERAL RESOURCES

Mineral wealth of a country is, in these days, of transcendent importance in determining the economic and political well-being of the country. The mineral resources of India are by no means small. There are immense possibilities in the latent wealth of India which only awaits the human hand to explore them. There was not many years ago the prevalent idea that the mineral wealth of India was meagre. But the opinion has, once for all, been falsified owing to the development of the mining industries in the last few decades. The principal minerals in India are coal, iron, mica, manganese, gold, silver, copper, etc.

SEASONS

Although according to indigenous conception there are six seasons in India, viz., Summer, Rainy season, Autumn (Late and Early), Winter and Spring, practically there are three distinguishable seasons in India, viz., summer, (April to June), the Rainy season (July to October), and the Cool season (November to March). But the seasonal changes in different parts of the sub-continent of India are not uniform. Seasons in different parts of the country, as also the climatic conditions of these places offer a wonderful variety. There is a proverbial saying in this country that in India one can enjoy all the climates and all the seasons of the world.

TRANSPORT AND COMMUNICATIONS

The expansion of trade and commerce, particularly in a country of India's vast dimensions, depend largely on the facilities of communications. In addition to creating wide markets, cheap transport stimulates production. Communication is easy in the plains of northern India because of the flatness

of the country. Roads and Railways are easy of construction on such a surface and naturally roads and railways cover the Indo-Gangetic plain to a greater extent than in other parts of the country. In some parts of the country, as in eastern Bengal, waterways afford greater facilities for transport and country boats and steamers carry most of the passengers and goods.

Indian transports present a complexity of conveyances, including the primitive bullock and buffalo carts, country boats, railways, motor omnibuses and lorries, and even aeroplanes. Of the means of communications in India, the principal is the railway. The first railway in India was opened early in the 19th century. A network of railways now cover the entire country and the mileage covered by railways in 1939-40 was 41,076 miles. (A fuller treatment of railways in India will be found elsewhere). Motor transport has made enormous strides during the last decade. It is now in serious competition with the railways both in coaching and goods traffic. Attempts are being made to stop the competition between them and to co-ordinate road and rail transports. The number of heavy motor vehicles such as lorries and buses must have at least quadrupled in the last ten years. The number at the end of March, 1939 in British India alone was nearly 40,000. The length of roads maintained by public authorities in British India in 1936-37 was 82,299 miles metalled and 231,882 miles unmetalled, a total of 314,181 miles. The primitive bullock and buffalo carts take an important role in the transport system of the land. In fact in many parts of the country this is the only mode of transport available.

India affords several thousands of miles of waterways. The Ganges with its many branches and tributaries, the lower course of the Brahmaputra, the Indus and its tributaries, and a large number of canals are the natural waterways. In some parts of the country, as in lower Bengal, water transport is the only practicable method of transport. Steamers and a large number of country boats carry a considerable volume of traffic. India's long coast-line offers facilities for coastal traffic, a large volume of which is now in the hands of the Indians. Sea communication is practically the only method available for commerce with foreign countries.

Air transport is yet in its infancy in India. Only a small volume of inland mail and passenger traffic is carried by airways.

AREA, POPULATION, Etc.

India is a vast and populous country and can be considered as a sub-continent rather than a country. It comprises an area of 1,575,107 sq. miles, of which 1,084,774 sq. miles are included in British India and the remaining 490,333 sq. miles are included in the Indian States. The total population, according to the census of 1941 is 388,800,000 of which British Indian population is 295,827,000 and Indian States population is 92,973,000.

In population India equals Europe *minus* Russia and the density of population in India is almost equal to that in Europe *minus* Russia. Bengal is the most densely populated province. In India the density of population is 247 per sq. mile. In Europe, Belgium and England with Wales are the most densely populated countries and their density figures are 702 and 708 respectively. The density of population in Bengal is 727 per sq. mile. Bengal, therefore, stands favourable comparison with England or Belgium in respect of density of population.

MONTHLY TEMPERATURE IN THE DIFFERENT METEOROLOGICAL SUB-DIVISIONS IN
INDIA WITH DEPARTURES FROM NORMAL (IN DEGREES FAHRENHEIT) 1989.

Province : Sub-divisions	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
Madras :												
Malabar	79.7	81.0	82.6	88.6	88.8	79.0	79.0	79.0	79.8	80.3	79.8	80.2
Madras, South-East	75.9	78.4	82.2	84.8	88.8	87.0	85.8	85.2	84.4	82.2	77.9	77.8
Madras, Deccan	74.6	79.8	85.8	89.7	94.3	88.1	88.5	82.8	82.3	81.6	75.5	78.0
Madras Coast, North	78.0	76.0	81.1	85.8	90.9	90.2	84.7	85.4	84.6	81.7	76.7	78.5
Bombay :												
Gujarat	69.9	73.0	77.0	88.0	87.0	88.4	84.8	88.2	82.4	88.4	78.4	72.9
Konkan	77.5	76.7	78.4	81.9	89.7	82.1	79.4	79.6	79.4	81.1	80.4	78.6
Bombay, Deccan	72.0	76.1	79.4	85.7	87.4	81.8	76.7	77.4	77.3	78.8	71.7	68.4
Sind :	64.8	67.2	71.9	80.5	88.8	91.7	89.2	87.4	86.4	81.1	76.2	68.8
Bengal :	67.1	71.8	75.6	86.8	85.6	84.3	88.0	88.1	88.8	81.2	74.8	68.2
U. P. :												
U. P., East	68.4	67.1	74.6	85.9	94.7	90.6	85.8	84.4	88.8	81.6	70.4	68.1
U. P., West	60.4	63.5	68.7	81.0	98.0	89.4	85.0	85.1	81.9	78.8	67.0	59.9
Punjab :												
Punjab, East & North	55.8	58.5	62.8	75.8	90.4	89.9	88.7	88.8	86.5	79.6	65.4	58.1
Punjab, South-West	56.0	59.2	63.5	76.6	91.4	98.8	92.2	92.2	90.4	80.0	67.4	60.0
Bihar :												
Chota Nagpur	64.2	68.9	74.4	85.2	92.2	87.3	80.9	79.6	80.0	77.2	67.3	61.8
Bihar	64.3	68.8	74.9	86.0	89.4	87.5	84.7	83.9	88.7	80.7	71.9	64.6
Orissa :	71.0	75.8	81.1	87.9	90.6	87.5	82.5	88.4	88.6	81.8	78.3	68.8

**MONTHLY TEMPERATURE IN THE DIFFERENT METEOROLOGICAL SUB-DIVISION IN
INDIA WITH DEPARTURES FROM NORMAL (IN DEGREES FAHRENHEIT) 1989.**

Province : Sub-divisions	Jan.	Feb.	Mar.	April	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.
<i>C. P. & Berar :</i>												
Berar	78.0	77.6	81.0	90.5	94.5	89.1	81.2	80.8	80.6	81.0	78.2	69.0
C. P., West	68.9	72.6	76.5	87.2	93.7	87.7	79.6	80.0	78.9	78.8	70.1	64.9
C. P., East	68.9	78.9	78.0	87.8	94.5	87.5	79.8	79.2	79.6	78.1	69.5	65.3
<i>Assam :</i> Assam	63.6	67.0	79.7	80.0	80.5	82.4	83.1	84.2	82.4	78.6	72.3	65.2
<i>N.-W. F. Province</i>	55.0	55.8	59.4	72.4	88.1	93.6	92.7	91.6	88.0	77.7	65.6	57.8
<i>Baluchistan</i>	52.8	52.6	56.4	65.1	76.5	86.6	85.8	83.5	79.3	69.8	61.5	55.2
<i>Andamans & Nicobars :</i>	80.4	80.2	82.5	85.2	88.1	80.9	81.4	81.5	81.0	81.5	82.1	80.1
<i>Hyderabad :</i>												
Hyderabad, North	72.9	77.9	82.0	88.7	92.8	85.3	78.7	78.6	78.9	79.2	71.8	68.4
Hyderabad, South	78.4	78.8	83.9	89.8	94.9	87.8	81.2	81.4	81.0	81.0	78.6	70.8
<i>Mysore :</i> Mysore	71.0	74.8	78.8	80.3	81.2	76.3	72.9	73.3	74.0	74.8	71.2	69.0
<i>Kashmir :</i> Kashmir	81.2	84.3	40.3	52.3	65.7	71.2	74.6	73.2	69.0	57.2	46.1	88.7
<i>Central India :</i>												
Central India, West	65.5	69.1	72.5	82.7	89.9	86.9	80.7	80.6	77.9	78.5	69.1	63.8
Central India, East	64.2	67.2	73.1	84.3	94.8	90.3	83.4	82.0	81.4	78.8	67.9	61.0
<i>Rajputana :</i>												
Rajputana, West	64.4	67.8	73.2	84.8	94.1	93.7	91.6	91.0	87.9	85.2	74.7	68.6
Rajputana, East	63.5	66.8	70.5	82.3	93.6	90.8	86.6	87.4	84.9	82.7	70.5	64.2

Rainfall

NORMAL AND ACTUAL RAINFALL ACCORDING TO
CHIEF POLITICAL DIVISIONS

<i>Province</i>	<i>Sub-divisions</i>	<i>Normal Rainfall Inches</i>	<i>1939 Inches</i>
Madras	{ Malabar	100·8	100·9
	{ Madras, South-east	35·6	40·7
	{ Madras, Deccan	24·9	24·1
	{ Madras coast, North	37·9	43·5
Bombay	{ Gujrat	32·5	21·2
	{ Konkan	107·4	97·5
	{ Bombay, Deccan	30·5	28·0
Sind	Sind	6·3	2·8
Bengal	Bengal	74·7	60·4
United Provinces	{ United Provinces, East	39·3	36·7
	{ United Provinces, West	37·1	31·5
Punjab	{ Punjab, East and North	23·4	17·0
	{ Punjab, South-West	10·1	7·3
Bihar	{ Choto Nagpur	52·6	59·7
	{ Bihar	48·4	50·1
Orissa	Orissa	57·6	56·5
Central Provinces & Berar	{ Berar	32·5	27·7
	{ Central Provinces, West	46·6	47·1
	{ Central Provinces, East	53·8	53·9
Assam	Assam	100·3	93·3
N.-W. F. P.	N.-W. F. P.	15·9	16·3
Baluchistan	Baluchistan	7·9	9·5
Andamans and Nicobars	Bay Islands	97·2	104·0
Hyderabad	{ Hyderabad, North	34·4	24·2
	{ Hyderabad, South	29·9	24·1
Mysore	Mysore	36·2	38·1
Kashmir	Kashmir	41·4	37·7
Central India	{ Central India, West	34·6	31·3
	{ Central India, East	42·3	43·8
Rajputana	{ Rajputana, West	12·8	6·4
	{ Rajputana, East	26·0	17·3

AREA, CULTIVATED AND UNCULTIVATED IN INDIA (1939-40)

	<i>Million Acres</i>
Total Area surveyed	520.6
British India	512.7
Indian States	7.9

The net area of British India is distributed as follows :

Cultivated area	210
Current fallows	47
Cultivable waste other than fallow	97
Not available for cultivation	89
Forests	68

THE PEOPLE OF INDIA

India, as has already been noticed, shelters about 389 million people, professing various religious faith and speaking different language, possessing varying racial, linguistic and social peculiarities. The numerous races and communities of India show varying degrees of civilization and culture. Some of the races and communities in India are highly cultured, polished and civilized, while semi-civilized tribes and races are not uncommon.

The Dynamics of Population

According to Census of 1941 India's Population is about 389 millions which represents an increase of about 15% over the figures of 1931 Census. In the course of the period 1921-31 India's population increased from 319 to 358 millions or roundly by 10 per cent. The Increase of population during the previous census decade (i. e. 1911-21) was, however, very low, being only 1.2 per cent. During the decade 1911-21, India was visited by one of the worst epidemics,—the Influenza epidemic of 1918. The increases in population in recent years—and it must be said incidentally that since 1931 this increase has been on a steadier rate—has led many economists to question whether India has already reached her optimum population. That is a controversial question. The experiences of the advanced countries of the world, however, point to one lesson, viz. that it is extremely doubtful and difficult to ascertain when and where a particular country reaches the optimum level in the growth of its population. The all-round improvement in agriculture and industrial production in those countries shows that the operation of the old and since exploded Malthusian theory of population can be checked and arrested for good. In point of agricultural improvement and of the vast preponderance of poor cultivators. Tsarist Russia is an excellent analogy to Indian conditions. But in Russia agricultural production has since 1920 been more than doubled. Food famine is a rarity there. It has been said by economists and sociologists that the existing agricultural productivity of soil in the world can maintain a maximum population of six

thousand to seven thousand million inhabitants and if that be the general condition for the whole world, then why any exception should be made with regard to India? What is necessary in India is not the checking of the normal increase of population, which in tropical climate is usually high, but to improve the productive organization of the country and to ensure an increased supply of agricultural produces to that increasing population.

Birth and Death Rates

Birth rate in India is 33·6 per 1,000 per annum of the population and death rate is 22·2 per 1,000 per annum of the population. In spite of the high rate of infant mortality obtaining in India, the present annual increase of population in India is not small.

In the supplementary Statistical Tables appended hereto birth and death rates in the British provinces are given. Delhi leads the rest of the Indian provinces in birth rate which is 43·6 per 1,000 per annum of the population. The next positions are occupied by the Punjab, Bombay and the Central Provinces, the corresponding birth rates of these places being 41, 39·1 and 37·9. Death rate is the highest in C. P. being 37·6 per 1000 per annum of the population.

Birth and Death rates in British India since 1931 are given below . -

<i>Year</i>	<i>Death rate per annum per 1,000 of population</i>	<i>Birth rate per annum per 1,000 of population</i>
1931	24·9	34·3
1932	21·6	33·7
1933	22·4	35·5
1934	24·9	33·7
1935	23·8	35·0
1936	22·7	35·6
1937	22·4	34·5
1938	24·3	34·1
1939	22·2	33·6

Males and Females

In India in contrast to the countries of Europe, males are more numerous than females. According to the census of 1931 there were 944 females for every 1,000 males in India. This numerical disparity between the sexes is very prominent in the Punjab, Bombay and North-West Frontier Province. In England or in some other countries of the West, which had to pay a high toll in human lives in the last Great War (1914-18), females are noticeably more numerous than men. As for example, in England there are 1,088 females for every 1,000.

THE CENSUS OF 1941

A Press Note from Government of India dated 19th November, 1941 states :

"The all-India population discovered at the recent census was 388·8 millions as on 1st March, 1941. The 1931 figure for the corresponding year was 388·1 millions, representing an increase of 15 per cent. The level of increase in British India is 15·2 per cent and in the States and Agencies 14·3 per cent. The picture is one of general increase, rather higher in British India than in the States and only in part of Baluchistan and a few minor States is a decrease recorded.

The rate of increase is particularly marked in cities, i. e., towns with not less than 100,000 inhabitants. The number of such towns has appreciably increased from 1931, while the individual increase rates vary from just below 11 per cent by almost a 100 in the case of Cawnpore, which has nearly doubled itself in the decade.

The population figures in this table in most cases represent the final determination but in a few areas sorting is still to be completed. There will, however, be no appreciable difference.

The literacy figures for 1941 are in all cases those taken out provisionally from the enumerators' books.

In view of the restricted tabulation necessitated by war conditions literacy tables will not be prepared in British India. In the larger States, however, such tables will be prepared and published in due course."

India's population on 1st March, 1941, was 388·8 millions, of whom 47,322,000 were literate persons, according to 1941 census figures.

The total population increased by 15 per cent, over the last census figure of 388·1 million. The rate of increase is particularly marked in towns with inhabitants of 100,000 and above. The number of such towns has appreciably increased from 1931.

North-West Frontier Province among the major provinces records the largest increase of population, namely, 25 per cent, while Bengal, which has next largest increase, namely, 20 per cent, also has the largest number of literates, namely, 9,720,000. Madras has the next largest number of literates, namely, 6,420,000. The Andaman and Nicobar Islands has the smallest number of literates, namely 6,000.

Delhi, India's capital and a chief Commissioner's province, registers an increase of population of 44 per cent.

DENSITY OF POPULATION

In population India equals Europe *minus* Russia and the density of population in India is almost equal to that in Europe *minus* Russia, Bengal where the density of population is 727 per sq. mile is the most densely populated province in India and is as densely populated as Belgium or England and Wales, the two most densely populated countries in Europe. The average density of population in India, according to the population figures of 1941 census, may be worked out at 247 per sq. mile, that of British India being 282 and Indian States 188.

The density of population in British Provinces are given below :

<i>Province</i>	<i>Density per sq. mile</i>	<i>Province</i>	<i>Density per sq. mile.</i>
Delhi	1,753	Punjab	270
Bengal	727	Ajmer-Merwara	215
Bihar	524	Assam	185
U. P.	490	Sind	97
Madras	397	N.-W. Frontier Province	83
Orissa	267	Baluchistan	9
Bombay	270		

The distribution of population throughout the country is not even. Rain-fall, climate, fertility of the soil means of communication and transport location of industry and trade—these are the principal factors, which determine the density of population. India is mainly an agricultural country and has been so for centuries past with the result that the population is the densest in those parts in which there is an abundant supply of water, or in other words where agriculture may be carried on with ease. But this is a general rule, there are exceptions to it. The Ganges has for centuries past been a source of fertility and a high-road for transport; and hence, the Gangetic plains have for centuries past been and still are the most densely populated areas in the whole of India.

Races

Aryans, Austries, Dravidians and Mongolians are the main four racial types represented in the present population of India. The Austries are the earliest known inhabitants of India; they were followed by the Dravidians, who are to be found in Madras, Hyderabad, Central Provinces and in most parts of Central India and Chota-Nagpur. The Aryans, though not the oldest inhabitants of India, are an ancient race. Pure Aryan blood is commonly to be found in every part of India and particularly among the higher castes of the Hindus. The Austries are represented by Kols, Bhils and other primitive tribes. The Mongolians are to be found in the regions in the vicinity of the Himalayas, such as Nepal, Assam, Burma and certain mountainous areas in U. P. These three main divisions can further be classified into : 1. Dravidians. 2. Turko-Iranians. 3. Indo-Aryans. 4. Scytho-Dravidians. 5. Aryo-Dravidians. 6. Mongolo-Dravidians. 7. the Mongoloids.

LANGUAGES

The languages of India besides those spoken by foreigners fall into four linguistic families, viz., Indo-European, Dravidian, Austro-Asiatic and Tibeto-Chinese. The Indo-European family is represented by the Indo-Aryan group which includes the major vernaculars of India such as Bengali, Hindustani (including Western Hindi and Urdu), Gujarati, Rajasthani, Marathi, Eastern and Western Punjabi, Sindhi, Pahari, Eastern Hindi, Bhojpuriya, Maithili, Oriya, Assamese, etc. The Iranian group is represented by a few languages and dialects spoken in the north-western corner of India, of which the most important is Kashmiri.

The Dravidian family is mainly represented by the South Indian languages—Telugu, Tamil, Malayalam, Kanarese and Tulu. The Oraon language in Chota Nagpur and Brahui in Beluchistan also belong to this family. The Austro-Asiatic languages are represented by Santali, Khasia, Bhil, etc., spoken in different localities of Northern India and are entirely uncultivated. The Tibeto-Chinese family includes languages and dialects spoken in Eastern Himalayan regions and in the Indo-Burma frontiers. The most important of this group is the language of Bhutan. From the above it can be said that India presents a wonderful diversity of races, climates, seasons, languages and dialects. In view of these diversities political uniformity or uniform sovereignty over all parts of the sub-continent of India—an ideal which had in the past been unsuccessfully attempted at—has become a problem of great complexities. And the framers of the constitution of 1935, particularly, Sir Tej Bahadur Sapru, perhaps had in his mind this heterogeneous character of the Indian people as a whole, when he strove after the ideal of federation. India with her natural, political, social and economic environments is a country ripe for the growth of federal ideas and ideals in the domain of politics. If India is to be a sovereign State or at least to have a political status equivalent to that enjoyed by the great dominions of the Empire, then federation is the only political ideal which can fit in with Indian conditions.

RELIGIONS

India is the land of many religions, principal among which are Hinduism, Islam, Buddhism, Christianity, Animism. The Hindus and the Moslems form the major communities in India though the former are the most numerous constituting about 70% of the total population in British India. Next in numerical strength are the Moslems, the Buddhists, the Sikhs and the Christians. The number of aborigines is also very high. In most of the provinces the Hindus are in the majority, and it is only in Bengal, the Punjab, Sind and the North-West Frontier Provinces that the Moslems form clear majority. The following figures give the respective strength of the two major communities in different provinces in India :

HINDU MAJORITY IN PROVINCES IN 1931

<i>Province</i>	<i>Hindu</i>	<i>Moslem</i>
Bihar & Orissa	81,010,660*	4,264,776
Assam	4,981,760	2,755,914
Bombay	16,619,866*	4,457,193
C. P.	18,460,105	682,854
Delhi	899,863	206,960
Madras	40,892,900	8,316,088
U. P.	40,905,582	7,181,927

* Since 1937 Bombay has been divided into two provinces—Bombay and Sind. In the former the Hindus are still in the majority while in Sind the Moslems are in the majority. Bihar and Orissa though reconstituted as two separate provinces retain their overwhelming Hindu majority.

MOSLEM MAJORITY IN PROVINCES

<i>Province</i>	<i>Moslem</i>	<i>Hindu</i>
Baluchistan	405,309	41,482
Bengal	27,580,321	21,587,921
N.-W. F. P.	2,227,808	142,977
Punjab	13,832,460	6,328,538
Sind	2,831,000	1,015,000

The Hindu and Moslem majorities in British provinces have not been disturbed by the results of the 1941 census so far available. Fuller details of the actual numbers in all the provinces will be available in the final census report which is expected to be out in 1948.

URBAN AND RURAL POPULATION

The majority of the Indian people live in villages; only about 10 per cent live in towns with a population of 5,000 and over. The percentage of urban population to the total is highest in Bombay Presidency and lowest in Assam. It should be noted in this connexion that from the middle of the last century to the census of 1931 there had been a progressive rise in the number of persons living in villages. This sounds rather paradoxical because during the last 50 years India has witnessed the growth and development of her industrial system, modern communications and transport, building up of new factories and mines and quarries and the setting up of new industrial and commercial towns. The truth is that with the development of modern transport facilities, or particularly, with the construction of a network of railway lines all over the country, cheap foreign goods have offered fatal competition to the small indigenous industries with the result that a large number of artisans and their descendants have had to find themselves compelled to fall back on agriculture, thus intensifying the pressure of population on soil. The growth of industrial system has no doubt made rapid strides during the last 25 years or so; but it cannot be said that there has been an industrial revolution in this country. What has actually taken place, is a serious economic revolution in the course of which there has been a dislocation of the old industrial system. But side by side with this there has not been any compensating development of large-scale industries. In India agriculture is even now the mainstay of the majority of people and it might be characterized as the national industry of this country. About 67 per cent of the people has to depend on the growth of the soil for their livelihood and the number of persons who are wage-earners in large-scale industries, as enumerated by the Statistical Department of the Government of India, is only 1,075,869. Assuming that every industrial worker represents a family of three, we can safely say that only 2 per cent of the Indian population get their sustenance from industries. It is, therefore, no wonder that the majority of the people of India are still rural and there is every reason to believe that they will continue to be so, so long as there is not a real industrial revolution in this country like the one which completely metamorphosed the productive and social structures of the West during the 19th century.

Occupations of the Population in British India (1931)

Agriculture is the means of livelihood to 67% of the population in British India ; the next important means of livelihood is industries—big and small, which is the occupation of about 10% of the population. Trade and domestic services give livelihood to 5·2% and 7% respectively of the population.

Though industries in general are the occupation of 10% of the population, many of the persons engaged in cottage industries and employed as domestic servants work as agricultural workers now and then. As has already been pointed out large industries support only a minute fraction of the Indian population—a meagre 2 per cent.

MARRIAGES

Marriage is more universal in India than in the west with the result that birth rate is high. But early marriage is very common with the result that infant mortality is high and death due to child-birth among young mothers is very common. Moreover, children born of ill-developed and under-aged parents inherit bad physique and low vitality. The death rate among children below 5 years is very high as is explained by the following figures :

<i>Ages</i>		<i>Death rate per 1000 of population per year in 1937</i>
For all ages	...	22·4
Males	...	22·7
Females	...	22·1
Children under 1 year (Males)	...	169·5
Children under 1 year (Females)	...	158·3
Children aged over 1 year		
but below 5 years (Males)	...	86·6
Do. Do. (Females)	...	84·0

In 1931, there were 84,200,000 married females and 83,600,000 married males in India. This disparity between the two numbers is explained by the fact that bigamy and even polygamy are not unknown in India. But the spread of education, modern outlook on life and the pressure of economic forces have in recent years discouraged such practices.

The Caste System

One of the peculiar features of the social structure in India is the caste system prevalent among the Hindus. Though originally meant to be a kind of economic or professional guild, the caste system has now come to be regarded as a social order sanctioned by religious considerations, as it were. It is probable that originally the caste system was instituted in India with the object of effecting what is known now-a-days as division of labour and for ensuring the efficiency and specialization in all spheres of human activities. But during the past centuries the caste system has come to be an outworn order of which, as is usual with such orders, the evils are dominating over the merits. The caste system has absolutely lost its economic significance and has become a social and economic nuisance, which is retarding the political and economic progress of the country.

It should be noted in this connection that the original propounders of the caste system had also eugenic principles in view. Among the Mahomedans, however, there are no caste distinctions. Mahomedanism inculcates the equality among all followers of the religion but even among them social distinctions are often noticeable, and numerous sects of Moslems are found in this country, the two principal sects being the Shias and the Sunnis. One of the redeeming features of modern times is the part which leading Indian social and political reformers are taking in removing caste barriers and untouchability among the Hindus. The most successful in this line of work has been Mahatma Gandhi, whose crusade against untouchability will in the future history of India be looked upon perhaps as his greatest contribution to the cause of India.

LITERACY

According to the Census of 1931, only 8% of the population of India was literate and 92% illiterate. The percentage of literate persons according to the previous Census was 7. This shows that during the ten years between 1921 and 1931, the annual increase of literate persons has been only 1% or 1 in 1,000 of the population. In most of the progressive countries of the world more than 75% of the people are literate. Even in Soviet Russia which some 25 years ago was the most backward country in the West, 48% of the people were literate even in 1920. The present literacy percentage is 87. The number of boys and girls of school-going age in British India (i.e., between the age 5-15), according to census of 1931, is 66·5 millions, and the total number of scholars in primary and secondary schools in 1937-38 was about 14 millions. This shows that roughly speaking about 20% of the boys and girls of school-going age get schooling in this country.

The number of literates in India, as indicated by 1941 census, shows rather a rapid increase—the increase during the decade 1931-41 being quicker than during any previous decade. The total number of literate persons in India is 47,322,700 or about 11·18% of the population.

STATISTICAL TABLES

PROGRESS OF POPULATION IN INDIA

(INCLUDING INDIAN STATES)

<i>Census</i>	<i>Population</i>	<i>Increase per cent since previous census</i>
1881	253,896,830	23·2
1891	287,314,671	13·2
1901	294,861,056	2·5
1911	315,156,896	7·1
1921	318,942,480	1·2
1931*	352,837,778	10·6
1941	388,800,000	15

* In and before 1931 the population of Burma was included.

AREA OF BRITISH PROVINCES
(COMPILED FROM THE CENSUS REPORT OF 1931)

<i>Province</i>	<i>Area in sq. m.</i>	<i>Province</i>	<i>Area in sq. m.</i>
Madras	142,277	Assam	55,014
Bombay	123,679	N.-W. F. P.	13,518
Bengal	77,521	Baluchistan	54,228
U. P.	106,248	Ajmer-Merwara	2,711
Punjab	99,200	Coorg	1,598
Bihar & Orissa	84,054	Delhi	578
C. P. & Berar	99,920	Andamans & Nicobars	3,143

AREA OF INDIAN STATES

<i>State</i>	<i>Area in sq. m.</i>	<i>State</i>	<i>Area in sq. m.</i>
Assam States	12,320	Jammu and Kashmir State	84,516
Baluchistan States	80,410	Madras States	10,698
Baroda State	8,164	Mysore State	29,326
Bengal States	5,434	N.-W. F. P.	22,838
Bihar & Orissa States	28,648	Punjab States	5,820
Bombay States	27,994	Punjab States Agency	31,241
Central India States	51,597	Rajputana States	129,059
Central Provinces		Sikkim State	2,818
States	31,175	United Provinces States	5,943
Gwalior State	26,367	Western India States	
Hyderabad State	82,698	Agency	35,442

India's Population according to the Census of 1941 is given below :—

(All Figures in Thousands)

POPULATION

	<i>Persons 1941</i>	<i>Persons 1931</i>	<i>Increase or decrease per cent</i>	<i>Literate persons, 1941</i>
INDIA	388,800	338,119	Plus 15·0	47,322·7
Provinces	295,827	256,755	„ 15·2	37,016·2
1. Madras	49,342	44,205	„ 11·6	6,420·9
2. Bombay	20,858	17,992	„ 15·9	4,067·8
3. Bengal	60,314	50,116	„ 20·8	9,720·4
4. United Provinces	55,021	48,409	„ 13·6	4,653·8
(a) Agra	40,906	35,614	„ 15·1	3,731·8
(b) Oudh	14,114	12,795	„ 10·4	921·5
5. Punjab	28,419	23,581	„ 20·4	3,665·7
6. Bihar	36,840	32,371	„ 12·3	3,389·7
(a) Bihar	28,824	25,729	„ 12·0	2,685·8
(b) Chota Nagpur	7,516	6,642	„ 13·1	658·9
7. Central Provinces				
and Berar	16,822	15,823	„ 9·8	1,909·7
(a) Central Provinces	13,220	11,881	„ 11·8	1,352·8
(b) Berar	3,602	3,442	„ 4·6	556·9

INDIA : POPULATION

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	<i>Persons 1941</i>	<i>Persons 1931</i>	<i>Increase or decrease per cent</i>	<i>Literate persons, 1941</i>
8. Assam	10,205	8,628	Plus 18·2	1,174·8
9. North-West Frontier Province	8,038	2,425	„ 25·2	233·9
10. Orissa	8,729	8,026	„ 8·2	948·2
11. Sind	4,537	3,887	„ 16·7	473·8
12. Ajmer-Merwara	584	507	„ 15·1	79·0
13. Andaman and Nicobar Islands	34	29	„ 15·5	6·9
(a) Andaman Islands	21	19	„ 11·8	...
(b) Nicobar Islands	13	10	„ 22·5	...
14. Baluchistan	502	464	„ 8·2	52·3
15. Coorg	169	163	„ 3·3	34·6
16. Delhi	917	636	„ 44·1	235·7
STATES AND AGENCIES	92,973	81,367	„ 14·3	10,306·5
17. Assam States	725	626	„ 15·9	57·4
18. Baluchistan States	816	405	Minus 12·1	8·1
19. Baroda State	2,855	2,448	Plus 16·6	656·8
20. Bengal States	2,142	1,864	„ 14·9	127·5
21. Central India Agency	7,502	6,648	„ 12·8	525·4
22. Chattisgarh States	4,054	3,548	„ 14·2	167·6
23. Cochin State	1,423	1,205	„ 18·1	504·1
24. Deccan (and Kolhapur States)	2,766	2,458	„ 13·4	364·5
25. Gujarat States	1,457	1,265	„ 15·2	119·2
26. Gwalior State	3,992	3,523	„ 13·3	290·8
27. Hyderabad State	16,184	14,436	„ 12·1	1,111·2
28. Kashmir State (including Feudatories)	4,021	3,646	„ 10·3	264·2
(a) Kashmir	3,945	3,582	„ 10·1	263·0
(b) Frontier Illaqs in Gilgit	76	64	„ 18·2	1·2
29. Madras States Pudukota, Banganapalle & Sandur	499	453	„ 10·0	66·1
30. Mysore State	7,329	6,557	„ 11·8	896·4
31. North-West Frontier Provinces (Agencies and Tribal areas)	2,878	2,259	„ 5·3	19·2
32. Orissa States	3,025	2,683	„ 12·7	263·9
33. Punjab States	5,459	4,497	„ 21·4	334·8
34. Punjab Hill States	1,094	990	„ 10·5	80·8
35. Rajputana Agency	13,670	11,571	„ 18·1	772·5
36. Sikkim State	122	110	„ 10·9	5·9
37. Travancore State	6,070	5,096	„ 19·1	2,894·4
38. United Provinces States (Rampur and Benares)	928	856	„ 8·3	57·6
39. Western India States Agency	4,901	4,222	„ 16·1	717·2

BIRTH AND DEATH RATES IN BRITISH INDIA¹

<i>Province</i>	<i>Birth rate 1939</i>	<i>Death rate 1939</i>
Delhi	48·6	28·1
Bengal	80·3	20·7
United Provs. of Agra & Oudh	82·7	20·9
Punjab	41	22·2
Central Provinces and Berar	97·9	30·7
Assam	28·3	19·2
Bihar	80·4	21
Orissa	83·9	27·3
Madras	84·9	22·9
Bombay	89·1	25·0
Sind	18·8	10·4
N.-W. Front. Prov.	28	17·3
Coorg	28	22·8
Ajmer-Merwara	84·4	28·4
BRITISH INDIA	83·6	22·2

VARIATION IN POPULATION SINCE 1911 (BRITISH INDIA)²

<i>Province</i>	<i>1931</i>	<i>1921</i>	<i>Variation</i>	
			<i>Increase+ or Decrease—</i>	
			<i>1921 to 1931</i>	<i>1911 to 1921</i>
			<i>per cent</i>	<i>per cent</i>
Madras	46,740,107	42,818,985	+10·4	+ 2·2
Bombay	17,992,058	16,012,842	+12·4	— '8
Sind	3,887,070	3,279,877	+18·5	— 6·7
Bengal	50,114,002	46,702,807	+ 7·3	+ 2·7
United Provinces of Agra and Oudh	48,408,768	45,875,069	+ 6·7	— 3·1
Punjab	23,580,852	20,685,478	+14·0	+ 5·7
Burma†	14,667,146	13,212,192	+11·0	+ 9·1
Bihar	32,371,434	29,026,545	+11·0	...
Orissa‡	5,306,142	4,968,878	+ 6·8	— 3·2*
Central Provinces and Berar	15,507,728	13,912,760	+11·5	...
Assam	8,622,251	7,459,128	+15·6	+18·4
N.-W. F. Province	2,425,076	2,251,840	+ 7·7	+ 2·5
Baluchistan	463,508	420,648	+10·2	+ 1·5
Ajmer-Merwara	560,292	495,271	+18·1	— 1·2
Coorg	163,327	163,838	— 0·3	— 6·4
Delhi	636,246	488,452	+30·3	+18·1
Andamans & Nicobars	29,463	27,086	+ 8·8	+ 2·4
<i>Total, British Territory</i>	<i>271,526,938</i>	<i>246,856,191</i>	<i>+10·0</i>	<i>+ 1·8</i>

¹ Per 1,000 of estimated population on June 30, 1939.² See 1941 Census figures P. 116.

† Separated from British India since 1937.

‡ The population of the new province of Orissa is greater than that given here.

VITAL STATISTICS OF BRITISH INDIA

		1935	1936	1937	1938	1939
<i>Population in which births and deaths were registered</i>		265,550,429	269,053,609	272,406,436	276,540,813	278,908,890
<i>Number of Births :</i>						
Male	<i>Mid-year estimated</i>	4,888,058	4,978,905	4,880,571	4,888,719	4,865,809
Female		4,460,968	4,592,474	4,507,886	4,514,292	4,480,886
Total		9,299,021	9,566,879	9,388,457	9,398,011	9,346,145
<i>Ratio of births per mille</i>		35.0	35.6	34.5	34.1	33.6
<i>Ratio per cent of male to female births</i>		108	108	108	108	109
<i>Number of Deaths :</i>						
Male		3,802,851	3,198,928	3,168,686	3,490,496	3,282,250
Female		3,028,725	2,913,030	2,938,689	3,194,624	2,982,984
Total		6,831,576	6,111,858	6,112,375	6,685,120	6,165,234
<i>Ratio of deaths per mille</i>		24.1	23.1	22.7	24.6	22.5
Male		23.5	22.8	22.1	23.9	21.7
Female						
Total		23.8	22.7	22.4	24.3	22.2
<i>Ratio of deaths per mille :</i>						
(a) in towns		23.9	22.5	24.7	26.3	25.8
(b) in rural districts		23.4	23.1	22.2	24	21.8
(c) according to causes :						
Cholera		0.8	0.6	0.4	0.9	0.4
Small-pox		0.8	0.4	0.2	0.1	0.2
Plague		0.1	0.04	0.1	0.06	0.1
Fevers		18.8	18.0	18.1	14.1	13.0
Dysentery and Diarrhoea		1.0	1.0	1.0	1.1	0.9
Respiratory diseases		1.8	1.8	1.8	1.9	1.8

VARIATION IN POPULATION SINCE 1911 (INDIAN STATES)*

State	1931	1921	Variation	
			Increase + or Decrease—	
			1921 to 1931 per cent	1911 to 1921 per cent
Assam States	625,606	531,118	+17.8	+10.2
Baluchistan States	405,109	378,977	+ 6.9	— 9.8
Baroda State	2,448,007	2,126,522	+14.9	+ 4.6
Bengal States	973,336	896,926	+ 8.5	+ 9.0
Bihar & Orissa States	4,652,007	3,959,669	+17.5	+ 4
Bombay States	4,468,396	3,867,819	+15.5	+ 1
Central India States	6,632,790	6,002,551	+10.5	— 2.1
Central Provinces States	2,483,214	2,066,900	+20.1	— 2.4
Gwalior State	3,528,070	3,193,176	+10.3	— 1.3
Hyderabad State	14,436,148	12,471,770	+15.8	— 6.8
Jammu & Kashmir State	3,646,243	3,320,518	+ 9.8	+ 5.1
Madras States	6,754,484	5,460,312	+23.7	+13.5
Cochin State	1,205,016	979,080	+23.1	+ 6.6
Travancore State	5,095,973	4,006,062	+27.2	+16.8
Other Madras States	453,495	475,170	— 4.5	+ 2.2
Mysore State	6,557,302	5,978,592	+ 9.7	+ 3.0
N.-W. F. P.				
(Agencies & Tribal areas)	2,259,288	2,825,136	—20.0	+74.2
Punjab States	437,787	408,019	+ 7.8	— 1.0
Punjab States Agency	4,472,218	4,008,017	+11.6	+ 5.5
Rajputana States	11,225,712	9,831,755	+14.2	— 6.5
Sikkim State	109,808	81,721	+34.4	— 7.1
United Provinces States	1,206,070	1,134,881	+ 6.3	— 4.6
Western India				
States Agency	3,999,250	3,541,610	+12.9	+ 0.5
Total, Indian States	81,810,845	72,086,259	+12.8	+ 1.0
Grand Total, India	352,837,778	318,942,480	+10.6	+ 1.2

THE LANGUAGES OF THE INDIAN POPULATION,
ACCORDING TO FAMILY GROUP

Vernaculars of India	No. of languages spoken	Population (000's omitted)
A. Austro-Nesian	2	6.5
B. Austro-Asiatic	16	5,336
(1) Mon-Khmer	9	726.6
(2) Munda	7	4,609.6
C. Tibeto-Chinese	122	14,010
(1) Tibeto-Burman	112	12,983
(2) Tai-Chinese	10	1,027.7
D. Dravidian	15	71,644.8
(1) Dravida	7	41,454.6
(2) Intermediate Languages	6	8,609
(3) Andhra	1	26,373.7
(4) North-Western language	1	207

* See 1941 census figures, P. 117.

<i>Vernaculars of India</i>	<i>No. of languages spoken</i>	<i>Population (000's omitted)</i>
E. Karen	14	1,341
F. Man	2	947
G. Indo-European (Aryan)	30	257,492·8
H. Unclassified	2	52·5
I. Languages not returned	...	1·9

Vernaculars of other Asiatic countries and Africa

J. Indo-European	3	39·2
K. Semitic	3	60
L. Hamitic	2	5
M. Tibeto-Chinese	4	186
N. Mongolian	3	12
O. Malayo-Polynesian	2	·34

European Languages

P. Indo-European	17	339·7
Q. Mongolian	3	·013
R. Languages not returned	...	·033

PRINCIPAL LANGUAGES OF THE PROVINCES AND THE
NUMBER OF SPEAKERS OF THOSE LANGUAGES*

(FIGURES IN 1,000's)

Madras—Tamil 18,560. Telugu 17,738. Malayalam 3,727. Oriya 1,847. Kanarese 1,715. W. Hindi 1,237.

Bombay—Marathi 9,331. Gujarati 3,426. Sindhi 3,145. Kanarese 2,598. W. Hindi 1,399.

Bengal—Bengali 46,394. Eastern Hindi—1,612.

U. P.—W. Hindi 48,251.

Punjab—Punjabi 12,154. W. Punjabi 6,528. W. Hindi 3,431.

Burma—Burmese 8,841. Shangale 914. (There are 16 other minor languages, the speakers of which number more than a lakh each.)

Bihar & Orissa—Bihari 27,731. Oriya 5,136. Kher Wari 2,165. Bengali 1,852.

C. P.—Marathi 5,432. W. Hindi 4,825. E. Hindi 3,239. Gondi 950.

Assam—Bengali 3,961. Assamese 1,993. E. Hindi 587.

N.-W. P. P.—Pashto 1,279. W. Punjabi 1,035. Punjabi 68.

Baluchistan—Pashto 206. Balochi 97.

Ajmer-Merwara—Rajasthani 428. W. Hindi 123.

Coorg—Kanarese 65. Kodagu or Coorgi 45.

Delhi—W. Hindi 587.

Andamans & Nicobars—Nicobarese 10. W. Hindi 7.

* Due to territorial readjustments effected on April 1, 1937, the number of speakers of provinces like Bombay, Bihar and Orissa has undergone changes.

PRINCIPAL LANGUAGES SPOKEN IN INDIA

Directions : The letter within the brackets indicates the family of languages as referred to in the table on pp. 120-21 and the number against the name of the language indicates the number of speakers, who use the language. The names of the areas where the language is distributed then follow.

Western Hindi—(C) 71,547,971—U. P., Central India, Punjab, Hyderabad, Bombay, Madras, Gwalior, Rajputana, Mysore, C. P. & Berar, Bengal, Burma, Baroda, Ajmer-Merwara, Delhi, N.-W. F. P., Baluchistan, Western India States Agency, etc.

Bengali—(G) 53,468,469—Bengal, Assam, Bihar & Orissa, Burma, U. P., etc.

Telugu or Andhra—(D) 26,373,727—Madras, Hyderabad, Mysore, C. P. & Berar, Burma, Bombay, Assam, Bihar & Orissa, Bengal, etc.

Bihari—(G) 27,926,559—Bihar & Orissa, etc.

Marathi—(G) 20,889,658—Bombay, C. P. & Berar, Hyderabad, Madras, Mysore, Central India, Baroda, etc.

Tamil—(D) 20,411,652—Madras, Mysore, Burma, Hyderabad, Bombay, etc.

Punjabi—(G) 15,839,254—Punjab, Delhi, N.-W. F. Province, Jammu & Kashmir, Bombay, Rajputana, Baluchistan, United Provinces, Burma, Bengal, etc.

Rajasthani—(G) 13,897,896—Rajputana, Central India, Punjab, Gwalior, Ajmer-Merwara, Hyderabad, Jammu and Kashmir, Bombay, C. P. & Berar, Mysore, Madras, Western India States Agency, Bihar & Orissa, Bengal, etc.

Kanarese—(D) 11,206,380—Mysore, Bombay, Hyderabad, Madras, Coorg, etc.

Urja—(G) 11,194,26—Bihar & Orissa, Madras, C. P. & Berar, Bengal, Assam, Burma, etc.

Gujarati—(G) 10,849,984—Bombay, Western India States Agency, Baroda, Rajputana, Central India, Madras, C. P. & Berar, Hyderabad, Gwalior, etc.

Malayalam—(D) 9,137,615—Madras, Coorg, etc.

Burmese—(C) 8,853,538—Burma, etc.

Western Punjabi—(G) 8,566,051—Punjab, Jammu & Kashmir, Madras, Baluchistan, N.-W.F.P., etc.

Eastern Hindi—(G) 7,867,108—Central India, C. P. & Berar, Bengal, Assam, etc.

Kher Wari—(B) 4,031,970—Bihar & Orissa, Bengal, etc.

Sindhi—(G) 4,005,147—Bombay, Western India States Agency, Baluchistan, Rajputana, Punjab, Baroda, Gwalior, etc.

Western Pahari—(G) 2,325,916—Punjab, Jammu & Kashmir, etc.

Bhili—(G)—2,189,531—Bombay, Baroda, Central India, Rajputana, Gwalior, etc.

Assamese—(G) 1,999,057—Assam, etc.

Gondi—(D) 1,864,878—C. P. & Berar, Central India, Hyderabad, Madras, Assam, etc.

Pashto—(G) 1,636,490—N.-W. F. P., Baluchistan, Punjab, Bombay, etc.

Kashmiri—(G) 1,438,021—Jammu & Kashmir, etc.

Karukh or Oraon—(D) 1,037,142—Bihar and Orissa, Bengal, C. P. (States), Assam, etc.

Besides the above there are more than 125 minor languages which are used in different parts of India. The numerical strength of the speakers is below 1,000,000.

POPULATION OF TOWNS AND VILLAGES*

Class	India		Provinces		States	
	No.	Population	No.	Population	No.	Population
Under 500 inhabitants	509,786	97,514,493	351,920	69,650,013	157,866	27,864,483
500—1,000 "	113,541	79,189,377	87,632	61,370,895	25,909	17,818,952
1,000—2,000 "	53,903	73,707,758	43,442	59,479,012	10,466	14,228,746
2,000—5,000 "	18,836	53,556,566	15,452	43,915,597	3,384	9,640,969
5,000—10,000 "	2,330	15,412,217	1,843	12,147,276	437	3,264,941
10,000—20,000 "	632	8,537,719	471	6,409,946	161	2,127,773
20,000—50,000 "	269	7,940,572	216	6,379,364	53	1,561,208
50,000—100,000 "	66	4,566,835	52	3,535,737	14	1,031,143
100,000 and over "	33	9,640,132	29	8,213,675	9	1,426,457
Encampments, boat and railway population unclassified	...	493,119	...	406,269	...	86,850
Area in which village statistics were not recorded	...	2,278,937	...	19,649	...	2,259,288
Total	699,406	352,537,778	501,057	271,526,983	198,349	31,810,845

* Statistical Abstract for British India—1937-38.

NUMBERS OF PERSONS WHO SPEAK ENGLISH IN INDIA (1931)

<i>Province</i>	<i>Number</i>	<i>Province</i>	<i>Number</i>
Madras	39,238	Bihar & Orissa	12,838
Bombay	53,429	G. P.	11,141
Bengal	48,923	<i>Indian States</i>	
U. P.	34,405	Mysore	18,825
Punjab	25,718	Hyderabad	13,819
Burma	26,866	C. I. Agency	3,253

DISTRIBUTION OF POPULATION ACCORDING TO RELIGION (1931)

INDIA

<i>Religion</i>	<i>Number in 1,000's</i>	<i>Religion</i>	<i>Number in 1,000's</i>
Hindus	238,600	Mahomedans	76,344
Sikhs	4,324	Christians	5,964
Jains	1,251	Tribals	7,612
Buddhists	436	Others	445
Zoroastrians	109	Total	335,085

The population of some of the big Indian cities according to the census of 1941 is given below :—

Calcutta	2,120,000	Benares	259,000
Bombay city	1,490,000	Allahabad	258,000
Madras city	777,000	Poona	238,000
Hyderabad (Deccan)	728,419	Sholapur	204,000
Lahore	682,000	Indore city	200,000
Ahmedabad	592,000	Jubbulpore	184,000
Cawnpur	487,000	Patna	179,000
Lucknow	382,000	Jaipur city	175,666
Karachi	359,497	Peshawar	174,000
Nagpur	303,483	Baroda city	153,000
Agra	284,000		

OCCUPATIONAL STATISTICS OF INDIA (1931)

<i>Occupation</i>	<i>Figures in millions</i>	
	<i>Total following occupations</i>	<i>Number of actual workers</i>
Cultivation	108.4	97
<i>Non-cultivating proprietors</i>	4.2	3.26
<i>Agricultural labourers</i>	33.5	31.5
<i>Stock-raising</i>	3.9	3.5
Exploitation of minerals	.4	.85
Industry (big & small)	17.5	15.4
Transport	2.8	2.34
Trade	9.3	7.9
Army, Navy, Air Force, Police	.94	.84
Public Administration	1.2	1
Professions and Liberal Arts	2.7	2.8
Domestic service	12.7	10.9
Beggars, Vagrants, etc.	1.5	1.4

DISTRIBUTION OF POPULATION ACCORDING TO RELIGION AND LITERACY (1931)

	Males			Females		
	Total Population	Illiterate	Literate in English	Total Population	Illiterate	Literate in English
Hindu	122,181,055	107,135,705	15,045,350	116,438,213	114,374,571	2,058,642
Sikh	2,424,064	2,195,162	228,902	1,900,151	1,853,779	46,372
Jain	644,611	318,722	325,889	606,729	551,787	54,942
Buddhist	224,232	195,122	29,110	211,625	207,580	4,045
Zoroastrian	56,366	12,702	43,664	52,963	17,484	35,479
Mahommedan	40,494,470	36,856,327	3,642,143	36,537,426	36,129,040	458,386
Christian	3,054,588	2,150,076	904,507	2,909,419	2,417,595	491,824
Tribal	3,788,232	3,748,634	39,618	3,823,521	3,818,818	4,703
Minor and Unspecified	242,577	231,644	10,933	202,359	198,379	3,980
Totals	173,133,125	153,799,164	20,333,961	162,736,404	159,577,657	3,158,747
Total Male and Female population	335,869,589 ; illiterate 312,376,821 ; literate in English 3,489,660.					

LITERACY STATISTICS OF INDIA
FIGURES IN 1000's

	<i>Total population</i>	<i>Illiterate</i>	<i>Literate</i>	<i>Literate in English</i>	<i>Census of 1941 Literate</i>
Br. India					
Males	189,982	120,403	19,481	2,789	
Females	181,595	128,290	8,249	840	
(1) Total	271,527	248,698	22,780	3,129	37,016
Indian States					
Males	41,897	36,286	4,489	465	
Females	39,418	37,443	920	58	
(2) Total	81,310	78,679	5,409	523	10,807
Grand Total, India, total of (1) & (2)	352,837	327,377	28,189	3,652	47,823

INDIA

GOVERNMENT AND CONSTITUTION

THE CROWN

The apex of the Government of India is in England and the Government vests in the British Crown whose direction and control are exercised over the Governor-General-in-Council or the Provincial Governors, by the Secretary of State for India who is a member of the Parliament and a Cabinet Minister. With the enforcement of the Act of 1935, as from April 1, 1937, the Council of India or the Council of the Secretary of State has been abolished and the Secretary of State has now a body of advisers who are to advise him on any matter relating to India on which he might seek their advice.

IN INDIA

In India the Executive Head is the Governor-General who is assisted by an Executive Council whose members are appointed by the Crown. They act as heads of the various Government Departments. The Commander-in-Chief of the Indian Army, who is in charge of Defence, is also a member of the Executive Council. The Governor-General is in charge of external relations (including Indian States) and matters ecclesiastical.

THE GOVERNMENT OF INDIA : THE FEDERATION

The constitution of India, as embodied in the Government of India Act of 1935, provides for the establishment of a Federation consisting of British Governors' Provinces and British Chief Commissioners' Provinces and the Indian States who accede to the Federation. The enforcement of the Federation is conditional upon (i) the presenting to the King of an address by each House of Parliament, for that object, and (ii) the accession by the Rulers of Indian States representing at least 50% of the population of Indian States and entitled to not less than half the seats in the Federal Upper Chamber.

Part III of the Act which has already been given effect to as from April 1, 1937, provides for Provincial Autonomy in the Governors' Provinces. The Executive authority of the Crown in the Province is exercised, on His Majesty's behalf, by the Provincial Governor acting on the advice of a Council of Ministers. The Governor has special responsibilities, but is himself subject to the provisions of the Act, under the general control of and directions from the Governor-General in his discretion. The Ministers are chosen from members of the Provincial Legislature. The Provincial Legislature consists of His Majesty as represented by the Governor, and two Legislative Houses in Madras, Bombay, Bengal, U. P., Bihar and Assam and only one Legislative Chamber in the Punjab, C. P. & Berar, N.-W. F. Province, Orissa and Sind.

The Provincial Ministers are now in charge of the Provincial administration and the Provincial Governors, though the Executive Heads of Provincial Governments, usually act in a constitutional spirit subject to their special responsibilities as referred to above. The Ministers are responsible to the Provincial Legislatures. (For fuller details see *Government of India Act* which is dealt with at some length elsewhere in this Year-Book).

THE TRANSITIONAL PERIOD

Pending the establishment of Federation, the executive authority of the Central Government—the Government of India proper—is exercised by the Governor-General-in-Council as prescribed in Part XIII of the Act and the Ninth Schedule of the Act. The bi-cameral Central Legislature of the 1919 Constitution is therefore still in existence and the Government at the Centre is still bureaucratic.

THE INDIAN STATES

The control which the British Crown exercises over Indian States is now exercised—as from April 1, 1937—not by the Governor-General-in-Council, but by His Majesty's Representative for the exercise of the functions of the Crown in relation to the States. The designation is in practice shortened to "Crown Representative". The offices of the Governor-General and the Crown Representative are held by the same person. The Rulers of the States are practically supreme in the internal administration of the States, but they have no power to make war or peace or establish diplomatic relations with external States. Some of the States make annual payments to His Majesty known as tributes.

INDIA'S CONSTITUTION

History of Indian Constitution

The grant of the Dewani of Bengal, Bihar and Orissa by the Moghul emperor Shah Alam in 1765 to the East India Company may be said to be the starting point of the East India Company's sovereignty in India, though the British had obtained their first foothold in India during the early years of the 17th century. After the grant of the Dewani, the need of an effective system of parliamentary control and supervision over the Company's administration and policy in India was felt in England. The Regulating Act of 1773 was the first of a series of parliamentary enactments for achieving for the Parliament greater control over the British Indian administration. The Regulating Act might be said to be the first experiment at the establishment of the British Raj in India. By this act, a Governor-General and four Councillors were appointed for the Bengal Presidency and the Government at Fort William, Bengal, was made the central authority in India, whereof the administrative supremacy over all British Indian possessions was made unquestionable. Under this Act, Warren Hastings became the first Governor-General. The establishment of the Board of Control in 1784 rendered the East India Company directly subordinate to the British Government. The Board consisted of Privy Councillors not exceeding six in number and its members were termed as Commissioners for the Affairs of India. In 1812, a searching inquiry was instituted into Indian affairs by a House of Commons Committee which resulted in the passing of the Charter Act of 1813 by which the Company's control of its territory and revenues was renewed for 20 years without prejudice to the undoubted sovereignty of the British Crown over possessions in India. Trade monopoly was practically abolished. The Charter Act of 1833 effected vital changes in the constitution of the East India Company. The trade privileges were taken away and the East India Company lost its character of a commercial body. But it retained administrative and political powers for another 20 years.

The Sepoy Mutiny of 1857 brought home to the British Government the necessity of closer and more direct control over Indian affairs. The result was the Government of India Act of 1858 which declared that India was to be governed directly by and in the name of the Crown and that the powers of supervision and control of the Crown should be exercised through the Secretary of State for India, who was empowered to exercise all powers of the Court of Directors and the Board of Control. The property of the Company was transferred to the Crown.

The Indian Council Act of 1861, which for the first time threw open to Indians scope for taking part in making laws for their own land, remodelled the Indian legislatures and sought to introduce some popular elements into the legislature at the centre and in the provinces as well. The Minto-Morley Act of 1909 further widened the scope for the participation by Indians in the legislatures at the centre and in the provinces as well. But the Act of 1909 did not provide for direct election.

The Government of India Act of 1919—popularly known as Montagu-Chelmsford reforms—might be considered as the first step towards the evolution of Provincial Autonomy and self-government in India. In the

Preamble to the Act of 1919 the aims of the British Raj in India were clearly and unmistakably declared, as "the gradual development of self-governing institutions, with a view to the progressive realization of responsible government in India as an integral part of the British Empire."

The main features of the constitution of the 1911 Act are given below :

1. It provided for Dyarchy in the provinces and bureaucracy at the centre. 2. The Government of India or the Central Government had a bicameral legislature consisting of the Legislative Assembly and the Council of State. 3. But the Central Legislature was in practice not more than a consulting body, because its votes might be over-ruled by the Governor-General-in-Council and secondly, the resolutions and the Bills passed by the Legislature were not in any way binding on the Central Executive. 4. In the provinces the Government was divided in two distinct spheres of responsibilities : (a) The Governor with Executive Councillors acting on his responsibility to the British Crown was in charge of what were known as the Reserved Subjects ; (b) The Ministers, directly elected representatives of the people, i. e., elected members of the provincial legislature, were placed at the head of certain subjects known as the Transferred Subjects, i. e., subjects which had been transferred to the control of popular Ministers. 5. The Governor in his capacity as the head of the provincial administration was expected to regulate and harmonize these two elements, viz., popular and bureaucratic, and both the elements were left to the final control of the Governor who was to be the supreme head of the province except in certain matters. 6. The provincial legislatures were all unicameral. 7. Elections both in the provinces and at the centre were, as they still are, based on communal basis of representation. 8. At the apex of the Indian administration was the Secretary of State-in-Council, himself a member of the British Cabinet, and sole organ of the British administration in India in the Parliament and the sole medium through whom the authority of the Crown and the Parliament was to be exercised over all details of British Indian administration.

It was provided in the Act of 1919 that ten years after the introduction of the Montagu-Chelmsford Reforms, the constitution of the land would be revised once more with the object of further advancing the aims and objects set forth in the Preamble to the Act of 1919. But as there were political unrest and upheaval in India, and as the leaders of the nation could neither put their heads together, nor could see eye to eye with the constitutional outlook of the British Government, further revision of the constitution was delayed till 1935 when the Constitution Act of India came into its present form.

The Government of India Act of 1935 is the product of seven years' labour on the part of British and British Indian politicians, administrators and leaders. The Statutory Reforms Commission—the Simon Commission, as it is commonly known—was appointed in November, 1927, under the Chairmanship of Sir John (now Viscount) Simon. The Commission travelled extensively in India during two visits, the first lasting for two months in 1928 and the second lasting for about 6 months from 11th October, 1928 to 13th April, 1929. The Congress, however, boycotted the Commission as Indians had no representation on it. The Report of the Commission was presented to Parliament in May, 1930. It recommended the introduction of a federal structure of Government for the whole of British India and expressed the hope that an All-India Federation consisting of British and Indian India would follow.

The Report of the Simon Commission was followed by three sessions of the Indian Round Table Conference in London. At the first Conference, the representatives of British India and Indian States readily accepted the principle of Federation. The second session, held in September, 1931, was attended by Mahatma Gandhi who was there as the sole representative of the Indian National Congress. The representatives of British India failed to reach an agreement on the question of allocation of seats in provincial legislatures to the different communities. Mr. Ramsay Macdonald, as Prime Minister, had therefore to make his Communal Award. In 1933 was issued the famous White Paper setting forth the British proposals for Indian Constitutional Reforms. A Joint Select Committee of both Houses of Parliament then considered these proposals in consultation with Indian representatives. The Committee's Report was presented in October, 1934, and the Government of India Bill was based on this report. The Bill was passed into the present Government of India Act of 1935, with slight modifications of, and additions to, the recommendations of the Joint Select Committee.

Part III of the Act was enforced in India with effect from April 1, 1937, under an Order-in-Council made on 8th July, 1936.

GOVERNMENT OF INDIA ACT OF 1935

The principal changes brought about by the act of 1935 are the following :

1. At the centre, bureaucracy has been sought to be replaced by dyarchy. In the provinces, dyarchy has given place to provincial autonomy.
2. The unitary structure of the government is to give place to a federal structure.
3. The India Council has been abolished.
4. Burma has been separated from India.
5. Aden, formerly a part of the Presidency of Bombay, has been converted into a Crown Colony.
6. Sind and Orissa have been constituted as separate provinces.

INDIAN CONSTITUTION

There is no mention in the Constitution Act of 1935 of Dominion Status, though the famous Preamble to the Government of India Act of 1919 has been retained in Section 321 (a) of the Government of India Act of 1935. The Preamble outlines the policy of Parliament with respect to the progressive realization of responsible government in British India, and is in the following terms—

“Whereas it is the declared policy of Parliament to provide for the increasing association of Indians in every branch of Indian administration and for the gradual development of self-governing institutions with a view to the progressive realisation of responsible government in India as an integral part of the British Empire :

“And whereas progress in giving effect to this policy can only be achieved by successive stages and it is expedient that substantial steps in this direction should now be taken :

“And whereas the time and manner of each advance can only be determined by Parliament, upon whom responsibility lies for the welfare and advancement of the Indian peoples :

"And whereas the action of Parliament in such matters must be guided by the co-operation received from those on whom new opportunities of service will be conferred, and by the extent to which it is found that confidence can be reposed in their sense of responsibility :

"And whereas concurrently with the gradual development of self-governing institutions in the Provinces of India it is expedient to give to those Provinces in provincial matters the largest measure of independence of the Government of India which is compatible with the due discharge by the latter of its own responsibilities."

The Act of 1919 provided that "for the purpose of inquiring into the working of the system of government, the growth of education, and the development of representative institutions, in British India, and matters connected therewith" and to report "as to whether and to what extent it is desirable to establish the principle of responsible government, or to extend, modify or restrict the degree of responsible government, then existing therein, including the question whether the establishment of second chambers of the local legislatures is or is not desirable," a Statutory Commission would be appointed at the expiry of ten years after the passing of the Act of 1919.

The Crown

The Crown, notwithstanding the provisions of the Act of 1935, enjoys right to certain prerogatives with regard to India, the most important of which are given below :

(1) All land in British India is vested in the Crown who is the ultimate owner. (2) Gold and silver mines belong to the Crown. (3) The Crown has still right to exercise the prerogative of mercy and pardon. (4) The Crown can grant honours of Imperial Status and he alone can settle the order of precedence in India.

Apart from the above prerogatives, it must always be borne in mind that the Government of India vests in the British Crown and the executive authorities in India either in the Central Government or in the Provincial spheres are delegated authority of the British Crown. That is the theoretical position though in practice the executive in British India derives their power and prerogatives from the Government of India Act of 1935 and from the British Parliament and ultimately from the British electors. This fact makes it clear that the sovereignty of British India rests with the British electors who are the ultimate authority for making and unmaking the Indian Constitution.

The British Crown even under the provisions of the Government of India Act of 1935 has been recognized as the chief executive, if there be one such person for the whole of British India. The laws passed by the Central, the Federal, or the Provincial legislatures can be unmade by the British Crown : the British Crown still exercises the power of appointing the Governor-General, the Crown Representative, the Commander-in-Chief of the Indian Army, the Provincial Governors, and other important administrative and judicial dignitaries in India.

The Crown and the Indian States : The Indian States are subject to the paramountcy of the Crown, and though the Indian States possess some degrees of liberty in matters of internal administration, in external matters, and in matters concerning the relation between one Indian State and

another, they are subordinate to the Paramount Power. The freedom to rule their own territories independently of external interference depends on treaties with, or sanads from, the British Crown. It was settled for good by Lord Reading that the Indian Princes cannot claim a status of equality with the Paramount Power, and that if they owe any allegiance to any external authority it is to the British Crown.

THE SECRETARY OF STATE FOR INDIA

Formerly the Secretary of State was characterized as the real Governor of India, if any one single person in the British Empire could be so designated. Though with the enforcement of the Government of India Act of 1935 powers of supervision and control exercised by the Secretary of State over the Provincial Executive have been relaxed, yet he retains his character of being the only channel through which the power and control of the British Parliament and of the Crown as well are exercised over India. The Executives in India have often to look upon the Secretary of State as their mouthpiece in Parliament and the Secretary of State, as a member of the British Cabinet, is directly, if not individually, responsible to the Parliament for Indian affairs.

It is provided by Section 14 of the Act of 1935 that the Governor-General shall be under the general control of, and comply with such particular directions, if any, as may from time to time be given to him by, the Secretary of State, but that the validity of anything done by the Governor-General shall not be called in question on the ground that it was done otherwise than in accordance with the provisions of the section. It is moreover provided in sub-section (2) of the same that the Secretary of State shall satisfy himself that nothing in his directions is contrary to any Instrument of Instructions issued to the Governor-General.

Apart from those general powers the Secretary of State for India has special powers with regard to the recruitment to certain civil services in India and exercises control with respect to conditions of service of His Majesty's forces in India.

The All-India Federation

The Act of 1935 provides for the establishment of an All-India Federation consisting of British India, i.e. the Governors' Provinces and Chief Commissioners' Provinces, and the Indian States which accede to the Federation. The Federation is to be established by Royal Proclamation subject to the fulfilment of the following conditions: (1) an address is to be presented to His Majesty the King-Emperor by the Houses of Parliament for that object; and (2) Indian States representing at least half the population of Indian States, and at least half the number of seats allocated to Indian States under the Constitution of 1935 accede to the Federation.

The Federation will have executive authority in all matters with respect to which it has legislative powers—to make laws for raising in British India, on behalf of the Crown, naval, military and air forces, for the administration of His Majesty's forces placed on the Indian establishment, and for the exercise of such rights, authority, jurisdiction, which are exercisable by the Crown by treaty, usage, grant, in and in relation to the tribal areas.

* The Federation has not come into effect, and there is no knowing if it will at all come into effect.

The Federal executive authority does not, however, extend to any matters with respect to which the Provincial Legislature has power to make laws, and secondly, with regard to any constituent State, the executive authority of the Federation extends only to such matters as the Ruler of the State concerned agrees to place under the Jurisdiction of the Federation.

DIARCHY AT THE CENTRE

The Federal Government is to be dyarchical. The Governor-General acting in his discretion in relation to the reserved subjects and to the subjects of his special responsibilities will be one part of the Government, while the popular Ministers at the heads of the departments but acting under the control and supervision of the Governor-General will constitute the other part of the Government. In financial matters and in those affecting the Reserve Bank of India, the previous sanction of the Governor-General will be necessary for any important measures that the Ministers may think fit to take. (*Sections 108 and 109 of the Act*)

THE FEDERAL EXECUTIVE

The Governor-General

The Governor-General is to be the head of the Federal Government, and he will be at the supreme command of naval, military, and air forces in India subject to the condition that, His Majesty will have power to appoint a Commander-in-Chief and will also have power to assign functions to him. All executive actions of the Federal Government shall be expressed to be taken in the name of the Governor-General.

The phrases 'acting in discretion' and 'acting in individual judgment' are frequently used throughout the Government of India Act in connection with the powers and functions of the Governor-General and the Provincial Governors. Whenever the Governor-General or a Governor is to act in his discretion, he need not consult his Ministers. But in the case of individual judgment the Governor-General or Governor may consult responsible Ministers but may or may not accept their views.

The Governor-General and the Crown Representative.—The Governor-General is appointed by His Majesty on the advice of the Prime Minister by a Commission under the Royal Sign Manual. The functions of the Crown in relation to the Indian States are to be performed by the Crown Representative. It is, however, provided in the Act that one and the same person may combine the functions of the Governor-General and the Crown representative. With effect from 1st April, 1937, the designation *Viceroy* was changed into *Crown Representative*.

Reserved Subjects and Special Responsibilities of the Governor-General.—Defence, ecclesiastical affairs, foreign relations and tribal areas, etc.—these are to be the reserved subjects for the Governor-General, and in regard to these the Governor-General will act in his discretion. The Governor-General may appoint counsellors, not exceeding three in number, for assisting him in the exercise of his functions with regard to the reserved subjects. These counsellors will be responsible to the Governor-General alone. Besides these reserved powers, the Governor-General has been armed with certain special responsibilities under section 12 of the Act. These are . 1. The prevention

of any grave menace to the peace and tranquillity of India or any part thereof ; 2. Maintaining the financial stability and credit of the Federal Government ; 3. Safeguarding the legitimate interests of the minorities ; 4. Safeguarding the interests of members of the public services and of their dependants ; 5. Due discharge of the functions of the Crown in relation to the Indian States ; 6. Prevention of discriminatory actions against goods of the United Kingdom or Burmese origin imported into India ; 7. The protection of the rights of Indian States and rights and dignity of the Rulers thereof. There are also minor items of special responsibilities.

INSTRUMENTS OF INSTRUCTIONS*

The Act provides that the Secretary of State shall lay before the Parliament the draft of any Instrument of Instructions for His Majesty to issue to the Governor-General and that no further proceedings shall be taken in relation to such Instrument of Instructions except in pursuance of an address by both the Houses of Parliament. It is, moreover, provided in section 13 (2) of the Act that, the validity of anything done by the Governor-General shall not be questioned on the ground that it was done otherwise than in accordance with the Instrument of Instructions. The Instrument of Instructions prescribes how the Governor-General should act in relation to his Ministers and to the component parts of the Federation—the Provinces and the Indian States.

COUNCIL OF FEDERAL MINISTERS

There shall be a Council of Ministers not exceeding ten to aid the Governor-General in the exercise of his functions, and the Governor-General in his discretion may preside over the meetings of the Council of Ministers. The Ministers shall be chosen by the Governor-General and hold office during his pleasure. But a minister, who for a period of six consecutive months is not a member of either Houses of the Federal Legislature, shall, at the expiry of that period, cease to be a Minister. The Governor-General will act in his discretion with regard to the functions in relation to the appointment and dismissal of the Ministers. But they are to be responsible to the Legislature.

GOVERNOR-GENERAL'S ADVISERS

The Governor-General may appoint counsellors not exceeding three in number, for assisting him in the exercise of his functions in relation to the reserved subjects. Moreover, in order to assist him for discharge of his special responsibilities in regard to financial stability and the credit of the Federal Government, the Governor-General may appoint a financial adviser who is to hold office during the Governor-General's pleasure.

THE FEDERAL LEGISLATURE

The Federal Legislature shall consist of his Majesty, represented by the Governor-General, and two Chambers to be known respectively as the Council of State and the House of Assembly or the Federal Assembly. The Council of State, the Upper House, shall consist of 156 representatives of British India and not more than 104 representatives of Indian States. The Federal Assembly shall consist of 250 representatives of British India and not more than 125 representatives of Indian States.

* The Act of 1885 provides for similar instruments of Instructions for Provincial Governors also.

THE POWERS AND JURISDICTION OF THE FEDERAL LEGISLATURE

Both the Houses have equal powers and votable grants of expenditure in whole or in part will have to receive the sanction of both the Houses. This is a peculiar feature. In most of the democratic countries of the world usually the Lower House has the final say in money Bills or in budgetary matters. The Act of 1935 in this respect is, therefore, a retrograde step.

The sphere of legislation of the Federal Legislature has been clearly defined in the Act of 1935 and in the 7th Schedule of the Act subjects which fall under the purview of Federal Legislature have been given in a list of 59 items. Principal among these items are—

1. Naval, military and air forces of the Federation but not the forces raised for employments in the Indian States or the army or military police for Provincial Governments ;
2. External affairs ;
3. Ecclesiastical affairs ;
4. Coinage, currency and legal tender ;
5. Posts and telegraphs including telephone, wireless, broadcasting, and post-office savings bank ;
6. Public debt of the Federation ;
7. Federal public services and Federal Public Service Commission ;
8. Federal Pensions ;
9. Export and import ;
10. Customs ;
11. Major ports ;
12. Maritime shipping and navigation ;
13. Federal railways, copyright, inventions, designs, etc. ;
14. Arms, fire-arms, ammunition, explosives ;
15. Cheques, bills of exchange, promissory notes and other like instruments ;
16. Corporations ;
17. Regulations of labour and safety in mines and oil-fields ;
18. Regulations of mines and mineral developments ;
19. Banking and insurance ;
20. Corporation tax, salt, opium, State lotteries, etc. (*See Federal Legislative List*)

In initiating any Bill or introducing any motion affecting the financial stability of the Federation, the minorities, the Reserve Bank of India, matters of a Province or a State, the previous sanction of the Governor-General is necessary.

THE LEGISLATIVE PROCEDURE

A Bill may originate in either Chamber of the Federal Legislature and a Bill shall not be deemed to have been passed by the Chambers unless it has been agreed to by both the Chambers.

If a Bill passed by one Chamber is rejected by the other Chamber, and if more than 6 months elapse from the date of the rejection of the Bill by the other Chamber without the Bill being presented to the Governor-General for his assent, then he may, unless the Lower House has been dissolved in the meantime, notify to the Chambers, his intention to summon a joint sitting of the two Chambers for the purpose of deliberating and voting on the Bill. If at the joint sitting, the Bill with amendments, if any, be passed by a majority of the total number of members of both the Chambers present and voting, it shall be deemed to have been passed by both Chambers.

A Bill after being passed individually or jointly by both the Chambers of the Legislature shall be presented to the Governor-General for his assent. The Governor-General, however, may withhold his assent to the Bill or may reserve the Bill for the signification of His Majesty's Government. [See 32 (1).] The Governor-General may, moreover, return the Bill to the

Chambers requesting that they will reconsider the Bill or any specified provisions thereof, and in particular, will consider the desirability of introducing any such amendments, as he may recommend.

THE BUDGET

The Governor-General shall cause to be laid before both the Chambers of the Federal Legislature an annual financial statement showing the estimated receipts and expenditure of the Federation for the year. The estimates of expenditure are to be of two classes : 1. Votable estimates, i.e., sums required to meet the expenditure on items votable by the Legislature 2. Non-votable estimates, i.e., sums required to meet the expenditure charged upon the revenues of the Federation. This latter class includes such items as salary and allowance of the Governor-General, debt charges of the Federation, allowances of Federal Ministers, Governor-General's Advisers, of Judges of the Federal Court, Defence expenditure and expenditure in connection with other reserved subjects of the Governor-General. It is also provided that any Bill or measure for imposing or increasing any tax or for regulating borrowing of money should not be moved except on the recommendations of the Governor-General.

LEGISLATIVE POWERS OF THE GOVERNOR-GENERAL

Section 42 of the Act empowers the Governor-General to promulgate ordinances during the recess of the legislature and section 43 empowers him to promulgate ordinances at any time (even when the legislature is in session). The conditions which can justify the promulgation of such ordinances is that, the Governor-General is to be satisfied that circumstances exist which render it necessary for him to take immediate action. An ordinance promulgated under section 42 or section 43 shall have the same force and effect as an Act of the Federal Legislature duly assented to by the Governor-General.

Ordinances promulgated under section 42 are to be laid before the Federal Legislature and shall cease to operate at the expiration of 6 weeks from the reassembly of the Legislature, or earlier on the passing of resolutions by the Legislature disapproving the ordinances. An ordinance under Section 43 shall continue in operation for not more than 6 months and shall be communicated forthwith to the Secretary of State and shall be laid by him before each House of Parliament.

The power of the Governor-General to promulgate ordinances under section 42 or section 43 is limited to the legislative sphere of the Federal Legislature and is subject to the provisions of the Act relating to the power of His Majesty to disallow any Acts of the Federal Legislature.

GOVERNOR-GENERAL'S ACT

The Governor-General, if at any time it appears to him that, it is essential that provisions should be made by legislation for enacting forthwith a particular law, may send a message containing such provision and he may attach to his message a draft of the Bill the passing whereof he considers necessary. The Governor-General may, at any time after the expiration of one month from the sending of the message or the Bill or to the legislature, enact the Bill as a Governor-General's Act. A Governor-General's Act shall have the same force and effect as an Act of the Indian Federation and every Governor-General's Act shall be communicated forthwith to the Secretary of

State and shall be laid by him before each House of Parliament. The functions of the Governor-General under sections 42, 43 and 44—i. e., powers for enacting ordinances and Governor-General's Acts,—shall be exercised by him in his discretion.

BREAKDOWN OF THE CONSTITUTION

If at any time, the Governor-General is satisfied that circumstances have arisen which make it impossible to carry on the Government of the Federation in accordance with the provisions of the Act, he may, by proclamation, assume to himself all or any of the powers vested in or exercisable by any Federal Body or Authority except the functions and the powers exercisable by the Federal Court. This in effect means the suspension of the Federal Council of Ministry and the Federal constitution and taking over of the administrative power by the Governor-General himself. The Governor-General's proclamation about the assumption of powers shall be forthwith communicated to the Secretary of State, who shall place it before each House of Parliament (Section 45.)

The Governor-General may, also by proclamation, assume to himself, under section 45 (5) the power of the Federal Legislature to make laws, and any laws made by him under this section will have effect for two years, from the date of the proclamation. Such laws, however, may be re-enacted or replaced by appropriate legislature.

THE FEDERAL JUDICATURE

Section 200 of the Government of India Act provides for the establishment and the constitution of a Federal Court. The Federal Court shall consist of a Chief Justice of India, and such number of other judges as His Majesty may deem necessary. Ordinarily puisne judges are not to exceed six in number. The Federal Court will be located at Delhi and at any such other place or places, as the Chief Justice of India may, with the approval of the Governor-General, from time to time appoint. The Federal Court will have both original and appellate jurisdiction. According to the provisions of section 201, the Federal Court shall have exclusive original jurisdiction in any dispute between any two or more of the following parties: the Federation, any of the Provinces or any of the Federated States, if and so far as the dispute involves any question on which existence or extent of a legal right depends. The Federal Court in the exercise of its original jurisdiction shall not pronounce any judgment other than a declaratory judgment.

In its appellate jurisdiction the Federal Court shall entertain appeals from any judgment, decree or final order of a High Court in British India, or a High Court in a Federated State, if the High Court certifies that the case involves a substantial question of law as to the interpretation of the Act of 1935 or an Order-in-Council made thereunder. Section 204 of the Act provides for right to appeal to His Majesty-in-Council from the decision of the Federal Court in its original jurisdiction. But in any other case of appeal the leave of the Federal Court is necessary.

Section 213 of the Act empowers the Governor-General to consult the Federal Court, if at any time it appears to him that a question of law has arisen or is likely to arise on which it is expedient to obtain the opinion of the Court and the Court may, after such hearing as they think fit, report to the Governor-General thereon.

It is provided in section 206 of the Act that the Federal Legislature may by Act enlarge the appellate jurisdiction of the Federal Court so as to enable the Federal Court to entertain appeals in civil suits from decrees or final orders of a High Court in British India.

FEDERAL RAILWAY AUTHORITY

The executive authority of the Federation in respect of the regulation, construction, maintenance and operations of railways shall be exercised by the Federal Railway Authority, which extends to the carrying on, in connection with any Federal railways, of such undertakings as, in the opinion of the Authority, it is expedient to be carried. At least three-sevenths of the members of the Authority shall be appointed by the Governor-General in his discretion and remaining members shall be appointed by the Governor-General acting with the Ministers. The Governor-General shall in his discretion appoint a member of the Authority to be the President. In the discharge of their functions, the Federal Railway Authority shall be guided by such instructions on question of policy as may be given to them by the Federal Government, but in case of any dispute with the Federal Government, the decision of the Governor-General in his discretion shall be final. The Authority in discharging their functions shall act on business principles, due regard being had to the interests of agricultural, industrial, commercial and general public interests and shall in particular make proper provisions for meeting out of their receipts on revenue account expenditure to which such receipts are applicable under the provision of the Act. The Act further provides for the appointment of a Chief Railway Commissioner who is to be at the head of the executive staff of the Authority. The Act also provides for the formation of Railway Tribunal and Railway Rates Committee.

HIGH COMMISSIONER

The Act provides for the appointment by the Governor-General of a High Commissioner, who is to assist the Federation in business matters in the United Kingdom. The High Commissioner may, with the approval of the Governor-General, undertake, if necessary, to perform, on behalf of a Province or a Federated State or on behalf of Burma, functions similar to those he performs on behalf of the Federation.

GOVERNORS' PROVINCES

Section 46 of the Act provides that the following shall be Governor's Provinces : Madras, Bombay, Bengal, United Provinces, the Punjab, Bihar, Central Provinces and Berar, Assam, N.-W.F. Province, Orissa, Sind and such other Governors' Provinces as may be created under the Act. The section also provides that Burma shall cease to be a part of India. With regard to Berar, section 47 of the Act provides that Berar and Central Provinces shall, notwithstanding the continuance of His Exalted Highness' sovereignty over Berar, be one Governor's Province by the name of Central Provinces and Berar.

THE PROVINCIAL EXECUTIVE

The executive authority of a Province shall be exercised on behalf of his Majesty by the Governor. And the executive authority of the Governor shall be limited to the extent of the legislative scope of the Province concerned.

Section 54 of the Act provides that the Governor of a Province shall be under the superintendence of the Governor-General.

Sections 50-52 provide for the establishment of Provincial Autonomy in the Provinces. The Council of Ministers is to be in charge of the Provincial administration. The Ministers are to aid and advise the Governor in the exercise of his functions as required by the Act though the Governor has full authority to use his own judgment. The validity of anything done by the Governor should not be called in question on the ground that he ought to or ought not to have acted in his discretion or ought to or ought not to have exercised his individual judgment. The Provincial Ministers shall be appointed by the Governor and shall hold office during his pleasure. But no person shall continue to be a Minister, if he is not a member of the provincial legislature for six consecutive months. [Sec. 51 (2) of the Act.]

The salary of Ministers will be fixed by an Act of the provincial legislature for their term of office. Salary of a particular individual acting as Minister is not to be submitted annually to the legislature for sanction. The only method of removing Ministers from office is for the legislature to move a vote of non-confidence.

SPECIAL RESPONSIBILITIES OF THE GOVERNOR

The Governor has, among others, the following special responsibilities :—

1. The prevention of any grave menace to the peace and tranquillity of the province or any part thereof ;
2. The safeguarding of the legitimate interests of the minorities ;
3. Safeguarding the rights and interests of members of the Public Services and their dependants ;
4. The partially excluded areas ;
5. Protection of the rights of an Indian State and the rights and dignity of the Ruler thereof ;
6. The execution of orders and directions lawfully issued to him by the Governor-General under Part IV of the Act.

SPECIAL POWERS OF THE GOVERNOR

1. Section 57 of the Act provides that if it appears to the Governor of a Province that the peace and tranquillity of the province is in danger by the operations of any person which are intended to overthrow the lawfully established Government, the Governor may direct that his functions shall, to such extent as may be specified in the direction, be exercised by him in his discretion.

2. The Governor has power in his discretion to make rules for securing that no records or information relating to the Intelligence Service dealing with terrorism are to be disclosed to any person other than such persons within the Provincial police forces as the Inspector-General or Commissioner of Police may direct or such other Public Officers outside the forces as the Governor may direct. The Governor has power to promulgate ordinances, he has power to assume to himself by proclamation, all or any of the powers, vested in or exercisable by, any or all the Ministers, if at any time he is satisfied that a situation has arisen in which the Government of the province cannot be carried on in accordance with the provisions of the Act. The concurrence of the Governor-General must be obtained before such a proclamation is issued by a Governor.

GOVERNORS' ORDINANCES

Sections 88 and 89 of the Act enable the Governor to promulgate ordinances during recess of the Provincial Legislature and at all times respectively. Ordinances promulgated under section 88 shall be placed before the Provincial Legislature and shall cease to operate at the expiration of 6 weeks from the re-assembly of the Legislature, or earlier, if a resolution disapproving it is passed by the Legislative Assembly and agreed to by the Legislative Council. An ordinance promulgated under section 89 shall continue in operation for a period not exceeding 6 months as may be specified thereon. Such an ordinance may be extended for a further period not exceeding 6 months by a subsequent ordinance. The Governor will have to obtain the concurrence of the Governor-General in the exercise of his power of promulgating ordinances under section 89.

GOVERNORS' ACTS

Under section 90 of the Act, the Governor has power to enact Governor's Acts. Such enactments are made by sending a message to the Chamber or Chambers of Legislature explaining the circumstances which render particular legislation essential, and if the Legislature fails to enact laws similar to that indicated in the Governor's message to the Legislature, the Governor may, at any time after the expiration of one month, enact as a Governor's Act the Bill proposed by him to the Legislature. Every Governor's Act will have to be communicated, through the Governor General, to the Secretary of State and shall be laid by him before each House of Parliament, and such enactments are to be made by the Governor with the concurrence of the Governor-General.

FAILURE OF CONSTITUTIONAL MACHINERY

Section 93 of the Act provides that if it appears to the Governor of a province that a situation has arisen in which the Government of the province cannot be carried on in accordance with the provisions of the Act, he may assume to himself all or any of the powers vested in or exercisable by any provincial body or authority. But the powers under this section are exclusive of the powers vested in or exercisable by a High Court. A proclamation of the assumption of powers by the Governor should be communicated forthwith to the Secretary of State and shall be laid by him before each House of Parliament. Ordinarily such a proclamation shall cease to operate at the expiration of 6 months. No proclamation shall be made by a Governor under section 93 except with the concurrence of the Governor-General in his discretion. The Governor may assume under this section, by proclamation, any power of the Provincial Legislature to make laws. Such laws will continue to have effect until 2 years have elapsed from the date on which the proclamation ceases to have effect. Such acts can, however, be re-enacted or repealed by an appropriate Legislature.

PROVINCIAL LEGISLATURE

There shall be for every province a Provincial Legislature consisting of His Majesty represented by the Governor, and (a) in the provinces of Madras, Bombay, Bengal, United Provinces, Bihar and Assam, two Chambers, (b) in other provinces one Chamber. Where there are two chambers, the Upper

House will be known as the Legislative Council and the Lower House as the Legislative Assembly. In other provinces, the name of the Legislature shall be the Legislative Assembly.

The Legislative Assembly of every province shall continue for 5 years, unless sooner dissolved. The Legislative Council shall be a permanent body not subject to dissolution but one third of the members thereof shall retire in rotation every third year. The Speaker and the Deputy Speaker of the Legislative Assembly and the President and the Deputy President of the Legislative Council are to be elected by the respective members of these Houses.

The composition of both the Upper and Lower Houses in different British provinces is given in the appended table. Representation in the Legislative Assemblies is mainly based on allocation of seats to various communities and to certain interests. Besides General electorates there are separate electorates for Mahomedans, Sikhs, Indian Christians, Anglo-Indians and European communities. A number of seats out of the seats classified as General seats are reserved for the Scheduled Castes among the Hindus. These reserved seats are, however, filled by double election.

The Provincial Legislative List contains 51 items, the principal among which are given below :

1. Public order and the administration of justice including all courts except the Federal Court ;
2. Police including railway and village police ;
3. Education ;
4. Prisons, reformatories, etc. ;
5. Public debt of the Province ;
6. Provincial Public Service and Provincial Public Service Commission, Provincial pensions ;
7. Works, land and buildings belonging to the Province ;
8. Election to Provincial Legislature, salaries of the Provincial Ministers, of the Speaker and the Deputy Speaker of the Assembly and of the President and Deputy President of the Legislative Council, if any, the privileges and remuneration of the members of the Provincial Legislature ;
9. Local self-government and public health and sanitation ;
10. Registration of births and deaths ;
11. Provincial communication including roads, bridges, ferries, and local railways ;
12. Water supply irrigation and canals etc. ;
13. Agriculture ;
14. Rights in or over land, land-tenures, courts of wards ;
15. Forests and fisheries ;
16. Industries, their development and encouragement ;
17. Land Revenue ;
18. Excise duties ;
19. Taxes on agricultural income, on lands and buildings ; duties in respect of succession of agricultural land, taxes on profession, trades, on animals and boats, on sale of goods, on luxuries and entertainments, etc. (See *Provincial Legislative List*.)

LEGISLATIVE PROCEDURE

A Bill that has been passed by the Provincial Legislative Assembly, or by both the Chambers of the Provincial Legislature, is to be presented to the Governor for his assent to it in His Majesty's name. The Governor may withhold his assent or may reserve the Bill for consideration of the Governor-General. When such reservation is made, the Governor-General may either assent to the Bill in His Majesty's name, or withhold assent or in his turn reserve the Bill for the signification of His Majesty. Section 77 of the Act, however, provides that even when an Act of the Provincial Legislature has received the assent of the Governor or the Governor-General, it may be disallowed by His Majesty within 12 months of the date of such assent.

In a bicameral province a Bill may originate in any of the two Houses. A Bill passed by one House must be sent to the other House for its approval before the Bill can be sent to the Governor for his assent. If the two Houses in a bicameral province fail to come to an agreement with regard to any particular Bill or any part thereof, the Governor shall call a joint meeting of the two Houses for deliberation and discussion on the Bill with amendments, if any. And if the Bill be passed by a majority of votes in the joint meeting, the Bill will be, as usual, sent to the Governor for his assent.

ESTIMATES OF PROVINCIAL EXPENDITURE

The provincial annual financial statements are to show separately : (1) the sums required to meet expenditure charged upon the revenues of the Provinces—non-votable expenditure ; (2) the sums required to meet other expenditures proposed to be met from the revenues of the province. These are votable expenditures. A list of votable and non-votable expenditures is given elsewhere.

No demand for grant shall be made except on the recommendation of the Governor, and demands for grants of votable expenditure shall be made to the Legislative Assembly, which body shall have power to assent or to refuse to assent, to any demand, or to assent to any demand subject to reduction.

It is clear from the above that though equal in status with regard to other Bills, in Money Bills, the Lower Houses have been given special powers.

A financial Bill or amendment making provision for imposing or increasing any tax or for regulating the borrowing of money or the giving of any guarantee, shall not be introduced or moved except on the recommendation of the Governor. There are, moreover, certain special provisions for expenditure on the education of Anglo-Indian or European communities in India.

GENERAL RULES OF PROCEDURE

English is to be ordinarily used in the proceedings of the Provincial Legislature and members of the Legislature are guaranteed immunity from legal proceedings against what they say on the floor of the Chambers of the Legislature. But no discussion shall take place in a Provincial Legislature with respect to the conduct of any judge of the Federal Court or of a High Court in the discharge of his duties.

THE CHIEF COMMISSIONERS' PROVINCES

Part IV of the Act (Sections 94-98) provides that British Baluchistan, Delhi, Ajmer-Merwara, Coorg and Andaman and Nicobar Islands and such other areas as may be created under the Act, will be known as Chief Commissioners' Provinces. A Chief Commissioner's province is to be administered by the Governor-General acting through a Chief Commissioner to be appointed by him in his discretion. There are special provisions for the administration of British Baluchistan, and Andaman and Nicobar Islands.

THE INDIAN STATES

The Indian States are subject to the paramountcy of the Crown, and are bound to the Crown by treaties, engagements, sanads and usage. The Paramount Power has such powers in relation to the States as enable it to act

in the interest of India as a whole and in the interests of the States. It has ordinarily no control over State courts, police, or coinage. Control of military force of the States is shared by the Paramount Power with the States. The Paramount Power, however, recognizes the responsibility of helping Indian States whenever there is dangerous internal trouble in the States. Section 286 provides for military assistance to Indian States, if and when necessary, while section 285 states that nothing in the Act affects the rights and obligations of the Crown in relation to any Indian State.

Under section 5 of the Act, Rulers of Indian States may accede to All-India Federation. Indian States, if and when they accede to the Federation, may assign functions of the States to the control of the Federation and its Legislature. But the extent of such subjects assigned and of such control is to be limited to the Princes' willing co-operation.

CENTRAL GOVERNMENT DURING TRANSITION

Part XIII of the Act consisting of sections 312-319 contain provisions dealing with the Central Government during the transitional period, i.e., during the period intervening between the introduction of Provincial Autonomy as provided in part III of the Act, and the establishment of the Federation as provided in part II of the Act. The Central Government during the transitional periods is, in effect, a continuation of the Central Government under the Government of India Act of 1919. The Executive Council of the Governor-General consisting of members appointed by the Crown, the bicameral Legislature at the Centre with their old composition, the sole responsibility of the Governor-General-in-Council as the Executive Head of the British Indian Administration—all these features of the constitution of 1919 have been retained with certain modifications and additions in part XII of the Act.

The sphere of legislation of the Federal Government, as provided in Part II of the Act, has been incorporated in the legislative scope of the Central Government during the transition period. The control of the Secretary of State has been retained; and it is the Governor-General-in-Council and not the Governor-General in his discretion or in his individual judgment, who is to be, except in exceptional circumstances, the executive authority in India during the transitional period.

As before, the Central Legislature will consist of two Chambers, the Council of State and the Legislative Assembly, the Upper and Lower Houses respectively. The Upper House will have 60 members, of whom at least 40 are to be non-official elected or nominated and not more than 20 are to be nominated officials. The Lower House has 140 members, of whom not more than 105 are elected and the rest are nominated by the Governor-General. The term of the Council of State, unless dissolved earlier, is 5 years and that of the Assembly only 3 years.

The present Government of India and its chief executive, the Governor-General-in-Council have been empowered to perform certain functions assigned to the Federal Executive and the present Indian Legislature is to exercise jurisdiction over subjects of the Federal Legislative list.

The 9th Schedule of Government of India Act, 1935, contains provisions of the Government of India Act of 1919, which have been continued in force with

amendments until the establishment of the Federation. As during the previous regime—namely, under the Montagu-Chelmsford Reforms—the Central Government is bureaucratic and the Central Legislature is of the nature of an advisory council which can only make recommendations. Notwithstanding the fact that the All-India Federation has not yet come into force, it is provided that the Federal Court of India, the Federal Railway Authority and the Federal Public Service Commission will come into being under Orders-in-Council of the British Crown. These bodies except the Federal Railway Authority have already been constituted and are functioning under the provisions of the Act.

AMENDMENTS OF THE ACT

Section 308 of the Act provides for the amendment of the Act or Orders-in-Council made under it in certain specified respects. The subject matters amendable under this section are—

1. The size or composition of the Chambers of Federal Legislature or the procedure of choosing legislators and the qualifications of the members of the legislature.

2. Similar changes with respect to Provincial Legislatures. The general principle or procedure to be followed in effecting such amendment shall be that the legislature concerned, Federal or provincial, shall pass resolutions recommending such amendment, and the Secretary of State shall, within six months after the resolution shall have been communicated to him, cause to be laid before both Houses of Parliament a statement of any action which may be proposed to take thereon.

It must be noted here that section 308 which on a *prima facie* view appears to lend an element of flexibility to Indian Constitution is, in fact, a stringent provision. As for example, if the composition of the legislature or the qualification of members or voters are to be modified, Parliament cannot take any initiative but the initiative should come from the legislature concerned.

PREVENTION OF DISCRIMINATION

Though the Federal Legislature will be enabled to enjoy fiscal freedom, the Act prohibits the imposition of any discriminatory taxes on imports from the United Kingdom and Burma. Moreover, there is provision in section 111 of the Act which prohibits the imposition of any restriction by the Indian or Provincial Legislature on the right of entry into British India of a British subject domiciled in the United Kingdom and also prohibits the imposition of any restriction regarding possession of properties or travel or residence in British India of such above-mentioned British subjects. Section 112 of the Act prohibits the imposition of any tax as may discriminate against British subjects domiciled in the United Kingdom or Burma or companies incorporated in the United Kingdom or in Burma.

FRANCHISE

Franchise is limited in India. Educational and property qualifications, residence, majority, sanity, etc., are the principal qualifications of voters

for both Provincial and Federal Legislatures. The number of voters to the Provincial Assemblies, according to the registers of 1937 elections, was 80,187,919 and that to Provincial Legislative Councils was 89,871. The number of women voters in each province is given in the relevant table.

THE SERVICES OF THE CROWN

The Act of 1935 makes elaborate provisions for the safeguarding of the interests of the members of public services in India and of their dependants and particularly for safeguarding the interests of those members who are appointed by the Secretary of State for India. Public servants hold office during pleasure of His Majesty, and it is provided that no person may be dismissed or reduced in rank unless he be given an opportunity of showing the cause against the action proposed and unless he has been convicted of a criminal offence. Moreover, it is the appointing authority that can dismiss a public servant. The Act specifically provides for compensation in case of premature retrenchment or abolition of the office.

DEFENCE SERVICES

The Defence services are reserved subjects for the Governor-General under the Federal constitution. The Governor-General is the Head of the Army, Navy and Air Force in India subject to the condition that His Majesty may appoint a Commander-in-Chief of the British Indian Army and assign functions to him and also subject to the general control of the Secretary of State. The Governor-General is, however, directed by the Act to consult Federal Ministers on matters connected with Defence.

Defence estimates are non-votable.

PUBLIC SERVICE COMMISSIONS

The Act provides for the formation and constitution of Public Service Commissions both for the Federation and the provinces. These Commissions shall conduct examinations for appointment to the services of the Federation or the provinces as the case may be.

THE HIGH COURTS

According to section 219 of the Act, the following shall be High Courts—High Courts in Calcutta, Madras, Bombay, Allahabad, Lahore and Patna and Chief Court of Oudh, Judicial Commissioner's Courts in C. P. and Berar, Sind and N.-W. F. Province and any other Court in British India, which His Majesty-in-Council may declare to be a High Court.

Every High Court shall be a Court of record and shall consist of a Chief Justice and such other judges as His Majesty may appoint. The Judges of a High Court are appointed by the Crown and they hold office during His Majesty's pleasure. Separation of the judiciary is ensured by the Act of 1935.

**TABLE OF SEATS
THE COUNCIL OF STATE
REPRESENTATIVES OF BRITISH INDIA**

Province or community	Total seats	General seats	Seats for Scheduled Castes	Sikh seats	Mohammedan seats	Women's seats
Madras	20	14	1	...	4	1
Bombay	16	10	1	...	4	1
Bengal	20	8	1	...	10	1
United Provinces	20	11	1	...	7	1
Punjab	16	8	...	4	8	1
Bihar	16	10	1	...	4	1
Central Province and Berar	8	6	1	...	1	...
Assam	5	3	...	...	2	...
North-West Frontier Province	5	1	...	...	4	...
Orissa	5	4	...	...	1	...
Sind	5	2	...	...	3	...
British Baluchistan	1	...	...	...	1	...
Delhi	1	1	...	...	...	...
Ajmer-Merwara	1	1	...	...	...	...
Coorg	1	1	...	...	...	...
Anglo-Indians	1	...	...	...	...	...
Europeans	7	...	...	...	...	...
Indian Christians	2	...	...	...	...	...
	150	75	6	4	49	6

TABLE OF SEATS FEDERAL COUNCIL OF STATE DISTRIBUTION OF SEATS FOR PURPOSES OF TRIENNIAL ELECTION

FEDERAL COUNCIL OF STATE : TABLE OF SEATS

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Province	Number of seats to be filled originally for three years only					Number of seats to be filled originally for six years only					Number of seats to be filled originally for nine years				
	General	Scheduled Castes	Sikh	Moham- medan	Women	General	Scheduled Castes	Sikh	Moham- medan	Women	General	Scheduled Castes	Sikh	Moham- medan	Women
Madras	...	...	...	...	...	7	...	...	2	1	7	1	...	2	...
Bombay	5	...	...	2	1	...	...	...	...	...	5	1	...	2	...
Bengal	4	1	...	5	...	...	...	...	...	...	4	...	...	5	1
U. Provinces	5	1	...	3	1	6	...	...	4	...	...	...	...	...	...
Punjab	2	...	2	4	...	1	...	2	4	1	...	...	...	...	...
Bihar	...	...	...	...	...	5	1	...	2	...	5	...	...	2	1
C. P. & Berar	...	...	...	...	...	6	1	...	1	...	...	...	...	...	...
Assam	...	...	...	...	...	8	...	...	2	...	...	...	...	...	...
N.-W. F. Province	...	...	...	...	...	...	...	...	...	...	1	...	...	4	...
Orissa	4	...	...	1	...	...	...	...	...	...	...	...	...	...	...
Sind	2	...	...	3	...	...	...	...	...	...	...	...	...	...	...
British	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...
Baluchistan	...	...	...	...	...	...	...	...	...	...	...	...	...	1	...
Delhi	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Aj-Merwara	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Coorg	...	...	...	...	...	...	...	...	...	...	1	...	...	...	...
Total	22	2	2	18	2	28	2	2	15	2	25	2	...	16	2

TABLE OF SEATS
THE FEDERAL ASSEMBLY
REPRESENTATIVES OF BRITISH INDIA

Province	Total seats	General seats		Sikh	Mohammedan	Anglo-Indian	European	Indian Christian	Commerce & Industry	Landholders	Labour	Women
		Total	Reserved for Scheduled Castes									
Madras	37	19	4	..	8	1	1	2	2	1	1	2
Bombay	80	18	2	..	6	1	1	1	8	1	2	2
Bengal	37	10	3	..	17	1	1	1	8	1	1	1
United Provinces	87	19	3	..	12	1	1	1	..	1	1	1
Punjab	80	6	1	6	14	..	1	1	..	1	1	1
Bihar	80	16	2	..	9	..	1	1	..	1	1	1
C. P. & Berar	15	9	2	..	3	..	..	..	..	1	1	1
Assam	10	4	1	..	8	..	1	1	..	..	1	..
N.-W. F. Province	5	1	..	..	4	..	..	..	..	..	..	..
Orissa	5	4	1	..	1	..	1	..	..	..	..	..
Sind	5	1	..	..	3	..	..	..	..	..	..	..
British Baluchistan	1	1	..	..	1	..	..	..	..	..	..	..
Delhi	2	1	..	..	1	..	..	..	..	..	..	..
Ajmer-Merwara	1	1	..	..	..	..	..	..	..	..	..	..
Coorg	1	1	..	..	..	..	..	..	..	..	..	..
Non-Provincial seats	4	..	..	..	..	..	..	..	8	..	1	..
Total	250	105	19	6	82	4	8	8	11	7	10	9

TABLE OF SEATS

THE COUNCIL OF STATE AND THE FEDERAL ASSEMBLY

REPRESENTATIVES OF INDIAN STATES

<i>States and Groups of States</i>	<i>Number of seats in the Council of State</i>	<i>Number of seats in the Federal Assembly</i>	<i>Population</i>
Hyderabad	5	16	14,486,148
Mysore	3	7	6,557,802
Kashmir	3	4	3,646,248
Gwalior	3	4	3,528,070
Baroda	3	3	2,448,007
Kalat	2	1	842,101
Travancore	2	5	5,095,978
Cochin	2	1	1,205,016
Udaipur	2	2	1,566,910
Jaipur	2	3	2,631,775
Jodhpur	2	2	2,125,982
Bikaner	2	1	936,218
Indore	2	2	1,325,089
Bhopal	2	1	729,955
Rewa	2	2	1,587,445
Kolhapur	2	1	957,137
Patiala	2	2	1,625,520
Bahawalpur	2	1	984,612
Other States	61	66	...

TABLE OF SEATS

PROVINCIAL LEGISLATIVE ASSEMBLIES

Province	General seats		NALANDA YEAR-BOOK											
	Total seats	Total	Reserved for Scheduled Castes	Backward areas and tribes	Sikh	Mohammedan	Anglo-Indian	European	Indian Christian	Commerce, Industry, Mining & Planting	Landholders	University	Labour	Women
Madras	215	146	30	1	...	28	2	9	8	6	6	1	6	8
Bombay*	175	114	15	1	...	29	2	9	8	7	2	1	7	6
Bengal	250	78	80	...	...	117	3	11	2	19	6	2	8	5
United Provinces	228	140	20	...	...	64	1	2	2	8	5	1	3	6
Punjab†	175	42	8	...	31	84	1	1	2	1	5	1	3	4
Bihar	152	86	15	7	...	99	1	2	1	4	4	1	3	4
C. P. & Berar	112	84	20	1	...	14	1	1	...	2	3	1	2	3
Assam‡	108	47	7	9	...	34	...	1	1	11	...	...	4	1
N. W. Frontier Province	50	9	...	...	3	36	...	...	...	...	2	...	...	...
Orissa†	60	44	6	5	...	4	...	...	1	1	2	...	1	2
Sind	60	18	...	...	...	33	...	2	...	2	2	...	1	2

* In Bombay seven of the general seats shall be reserved for Marathas.

† In the Punjab one of the Landholders' seats shall be a seat to be filled by a Tumandar.

‡ In Assam and Orissa the seats reserved for women shall be non-communal seats.

TABLE OF SEATS

PROVINCIAL LEGISLATIVE COUNCILS

<i>Province</i>	<i>Total of seats</i>	<i>General seats</i>	<i>Mohammedan</i>	<i>European</i>	<i>Indian Christian</i>	<i>Seats to be filled by Legislative Assembly</i>	<i>Seats to be filled by Governor</i>
Madras	Not less than 54 Not more than 56	35	7	1	3		Not less than 8 Not more than 10
Bombay	Not less than 29 Not more than 80	20	5	1	...	...	Not less than 3 Not more than 4
Bengal	Not less than 63 Not more than 65	10	17	8	..	27	Not less than 6 Not more than 8
United Provinces	Not less than 58 Not more than 60	84	17	1	...	...	Not less than 6 Not more than 8
Bihar	Not less than 29 Not more than 90	9	4	1	...	12	Not less than 3 Not more than 4
Assam	Not less than 21 Not more than 22	10	6	2	...	...	Not less than 3 Not more than 4

NON-VOTABLE EXPENDITURES IN THE FEDERATION

Sec. 33(3), Government of India Act, 1935

(a) The salary and allowances of the Governor-General and other expenditure relating to his office for which provision is required to be made by Order-in-Council ;

(b) Debt charges for which the Federation is liable, including interest, sinking fund charges and redemption charges and other expenditure relating to the raising of loans and the service and redemption of debt ;

(c) The salaries and allowances of Ministers, of Counsellors, of the Financial Adviser, of the Advocate-General, of Chief Commissioners, and of the staff of the Financial Adviser ;

(d) Salaries, allowances and pensions payable to or in respect of judges of the Federal Court, and the pensions payable to or in respect of judges of any High Court ;

(e) Expenditure for the purpose of the discharge by the Governor-General of his functions with respect to defence and ecclesiastical affairs, his functions with respect to external affairs in so far as he is by or under this Act required in the exercise thereof to act in his discretion, his functions in or in relation to tribal areas, and his functions in relation to the administration of any territory in the direction and control of which he is under this Act required to act in his discretion, provided that the sum so charged in any year in respect of expenditure on ecclesiastical affairs shall not exceed forty-two lakhs of rupees, exclusive of pension charges ;

(f) The sums payable to His Majesty under this Act out of the revenues of the Federation in respect of the expenses incurred in discharging the function of the Crown in its relations with Indian States ;

(g) Any grants for purposes connected with the administration of any areas in a Province which are for the time being excluded areas ;

(h) Any sums required to satisfy any judgment, decree or award of any court or arbitral tribunal ;

(i) Any other expenditure declared by this Act or any Act of the Federal Legislature to be so charged.

NON-VOTABLE EXPENDITURES IN THE PROVINCES

Sec. 78(3), Government of India Act, 1935

(a) The salary and allowances of the Governor and other expenditure relating to his office for which provision is required to be made by Order-in-Council ;

(b) Debt charges for which the Province is liable, including interest, sinking fund charges and redemption charges and other expenditure relating to the raising of loans and the service and redemption of debt ;

(c) The salaries and allowances of Ministers and of the Advocate-General ;

(d) Expenditure in respect of the salaries and allowances of judges of any High Court ;

(e) Expenditure connected with the administration of any areas which are for the time being excluded areas ;

(f) Any sums required to satisfy any judgment, decree or award of any court or arbitral tribunal ;

(g) Any other expenditure declared by this Act or any Act of the Provincial Legislature to be so charged.

Government of India Act, 1935

THIRD SCHEDULE

PROVISIONS AS TO GOVERNOR-GENERAL AND GOVERNORS OF PROVINCES

1. There shall be paid to the Governor-General and to the Governors of the Provinces the following annual salaries, that is to say .

The Governor-General	250,800 rupees.	
The Governor of Madras	)	120,000 rupees.
The Governor of Bombay		
The Governor of Bengal	)	100,000 rupees.
The Governor of the United Provinces		
The Governor of the Punjab	)	72,000 rupees.
The Governor of Bihar		
The Governor of C. P. & Berar	)	66,000 rupees.
The Governor of Assam		
The Governor of the N.-W. F. Province)	
The Governor of Orissa		
The Governor of Sind)	

2. There shall be paid to the Governor-General and to the Governors such allowances for expenses in respect of equipment and travelling upon appointment and such allowances during their terms of office as may from time to time be fixed by His Majesty-in-Council, and such provision shall be made for enabling the Governor-General and the Governors to discharge conveniently and with dignity the duties of their offices as may be determined by His Majesty-in-Council.

3. While the Governor-General or a Governor is absent on leave, he shall in lieu of his salary be entitled to such leave allowance as may be fixed by His Majesty in Council.

4. There shall be granted to and in respect of the Governor-General and the Governor of every Province such customs privileges and may be specified by Order-in-Council.

5. While any person appointed by His Majesty to act as Governor-General or as a Governor is so acting, he shall be entitled to the same salary and, save as may be otherwise provided by His Majesty in Council, the same allowances and privileges as the Governor-General or that Governor.

6. Any sums required to give effect to the provisions of this Schedule shall, in the case of the Governor-General or a person acting as such, be paid out of and charged on the revenues of the Federation and, in the case of a Governor or a person acting as such, be paid out of and charged on the revenues of the Province.

SEVENTH SCHEDULE—LEGISLATIVE LISTS

LIST I—*Federal Legislative List*

1. His Majesty's naval, military and air forces borne on the Indian establishment and any other armed force raised in India by the Crown, not being forces raised for employment in Indian States or military or armed police maintained by Provincial Governments; any armed forces which are not forces of His Majesty, but attached to or operating with any of His Majesty's naval, military or air forces borne on the Indian establishment; central intelligence bureau; preventive detention in British India for reasons of State connected with defence, external affairs, or the discharge of the functions of the Crown in its relations with Indian States.

2. Naval, military and air force works; local self-government in cantonment areas (not being cantonment areas of Indian State troops), the regulation of house accommodation in such areas, and, within British India, the delimitation of such areas.

3. External affairs; the implementing of treaties and agreements with other countries; extradition, including the surrender of criminals and accused person to parts of His Majesty's dominions outside India.

4. Ecclesiastical affairs, including European cemeteries.

5. Currency, coinage and legal tender.

6. Public debt of the Federation.

7. Posts and telegraphs, including telephones, wireless, broadcasting, and other like forms of communication; Post Office Savings Bank.

8. Federal Public Services and Federal Public Service Commission.

9. Federal pensions, that is to say, pensions payable by the Federation or out of Federal revenues.

10. Works, lands and buildings vested in, or in the possession of, His Majesty for the purposes of the Federation (not being naval, military or

air force works), but, as regards property situate in a Province, subject always to Provincial legislation, save in so far as Federal law otherwise provides, and, as regards property in a Federal State held by virtue of any lease or agreement with that State, subject to the terms of that lease or agreement.

11. The Imperial Library, the Indian Museum, the Imperial War Museum, the Victoria Memorial, and any similar institution controlled or financed by the Federation.

12. Federal agencies and institutes for the following purposes, that is to say, for research, for professional or technical training, or for the promotion of special studies.

13. The Benares Hindu University and the Aligarh Muslim University.

14. The Survey of India, the Geological, Botanical and Zoological Surveys of India; Federal meteorological organisations.

15. Ancient and historical monuments; archaeological sites & remains.

16. Census.

17. Admission into, and emigration and expulsion from, India, including in relation thereto the regulation of the movements in India of persons who are not British subjects domiciled in India, subjects of any Federated State, or British subjects domiciled in the United Kingdom; pilgrimages to places beyond India.

18. Port quarantine; seamen's and marine hospitals, and hospitals connected with port quarantine.

19. Import and export across customs frontiers as defined by the Federal Government.

20. Federal railways; the regulation of all railways other than minor railways in respect of safety, maximum and minimum rates and fares, station and service terminal charges, interchange of traffic and the respon-

sibility of railway administrations as carriers of goods and passengers ; the regulation of minor railways in respect of safety and the responsibility of the administrations of such railways as carriers of goods and passengers.

21. Maritime shipping and navigation, including shipping and navigation on tidal waters . Admiralty jurisdiction

22. Major ports, that is to say, the declaration and delimitation of such ports, and the constitution and powers of Port authorities therein.

23. Fishing and fisheries beyond territorial waters.

24. Aircraft and air navigation ; the provision of aerodromes ; regulation and organisation of air traffic and of aerodromes.

25. Lighthouses, including lightships, beacons and other provision for the safety of shipping and aircraft.

26. Carriage of passengers and goods by sea or by air.

27. Copyright, inventions, designs, trademarks and merchandise marks.

28. Cheques, bills of exchange, promissory notes and other like instruments.

29. Arms ; firearms ; ammunition.

30. Explosives.

31. Opium, so far as regards cultivation and manufacture, or sale for export

32. Petroleum and other liquids and substances declared by Federal law to be dangerously inflammable, so far as regards possession, storage and transport.

33. Corporations, that is to say, the incorporation, regulation and winding-up of trading corporations, including banking, insurance and financial corporation, but not including corporations owned or controlled by a Federated State and carrying on business only within that State or co-operative societies, and of corporations, whether trading or not, with objects not confined to one unit.

34. Development of industries,

where development under Federal control is declared by Federal law to be expedient in the public interest.

35. Regulation of labour and safety in mines and oilfields.

36. Regulation of mines and oilfields and mineral development to the extent to which such regulation and development under Federal control is declared by Federal law to be expedient in the public interest.

37. The law of insurance, except as respects insurance undertaken by a Federated State, and the regulation of the conduct of insurance business, except as respects business undertaken by a Federated State ; Government insurance, except so far as undertaken by a Federated State, or, by virtue of any entry in the Provincial Legislative List or the Concurrent Legislative List, by a Province.

38. Banking, that is to say, the conduct of banking business by corporations other than corporations owned or controlled by a Federated State and carrying on business only within that State.

39. Extension of the powers and jurisdiction of members of a police force belonging to any part of British India to any area in another Governor's Province or Chief Commissioner's Province, but not so as to enable the police of one part to exercise powers and jurisdiction elsewhere without the consent of the Government of the Province or the Chief Commissioner, as the case may be ; extension of the powers and jurisdiction of members of a police force belonging to any unit to railway areas outside that unit.

40. Elections to the Federal Legislature, subject to the provisions of this Act and of any Order in Council made thereunder.

41. The salaries of the Federal Ministers, of the President and Vice-President of the Council of State and of the Speaker and Deputy Speaker of the Federal Assembly ; the salaries,

allowances and privileges of the members of the Federal Legislature ; and, to such extent as is expressly authorised by Part II of this Act, the punishment of persons who refuse to give evidence or produce documents before Committees of the Legislature.

42. Offences against laws with respect to any of the matters in this list.

43. Inquiries and statistics for the purposes of any of the matters in this list. 44. Duties of customs, including export duties.

45. Duties of excise on tobacco and other goods manufactured or produced in India except—(a) alcoholic liquors for human consumption ; (b) opium, Indian hemp and other narcotic drugs and narcotics ; non-narcotic drugs ; (c) medicinal and toilet preparations containing alcohol, or any substance included in subparagraph (b) of this entry.

46. Corporation tax. 47. Salt. 48. State lotteries. 49. Naturalisation.

50. Migration within India from or into a Governor's Province or a Chief Commissioners' Province.

51. Establishment of standards

of weight 52. Ranchi European Mental Hospital.

53. Jurisdiction and powers of all courts, except the Federal Court with respect to any of the matters in this list and, to such extent as is expressly authorised by Part IX of this Act, the enlargement of the appellate jurisdiction of the Federal Court, and the conferring thereon of supplemental powers.

54. Taxes on income other than agricultural income. 55. Taxes on the capital value of the assets, exclusive of agricultural land, of individuals and companies ; taxes on the capital of companies. 56. Duties in respect of succession to property other than agricultural land. 57. The rates of stamp duty in respect of bills of exchange, cheques, promissory notes, bills of lading, letters of credit, policies of insurance, proxies and receipts.

58. Terminal taxes on goods or passengers carried by railway or air ; taxes on railway fares and freights. 59. Fees in respect of any of the matters in this list, but not including fees taken in any Court.

LIST II—PROVINCIAL LEGISLATIVE LIST

1. Public order (but not including the use of His Majesty's naval, military or air forces in aid of the civil power) ; the administration of justice ; constitution and organisation of all courts, except the Federal Court, and fees taken therein ; preventive detention for reasons connected with the maintenance of public order ; persons subjected to such detention.

2. Jurisdiction and powers of all courts except the Federal Court, with respect to any of the matters in this list ; procedure in Rent and Revenue Courts.

3. Police, including railway and village police.

4. Prisons, reformatories, Borstal institutions and other institutions of a like nature, and persons detained

therein ; arrangements with other units for the use of prisons and other institutions.

5. Public debt of the Province.

6. Provincial Public Services and Provincial Public Service Commissions.

7. Provincial pensions, that is to say, pensions payable by the Province or out of Provincial revenues.

8. Works, lands and buildings vested in or in the possession of His Majesty for the purposes of the Province.

9. Compulsory acquisition of land.

10. Libraries, museums and other similar institutions controlled or financed by the Province.

11. Election to the Provincial Legislature, subject to the provisions

of this Act and of any Order in Council made thereunder.

12. The salaries of the Provincial Ministers, of the Speaker and Deputy Speaker of the Legislative Assembly, and, if there is a Legislative Council, of the President and Deputy President thereof; the salaries, allowances and privileges of the members of the Provincial Legislature; and, to such extent as is expressly authorised by Part III of this Act, the Punishment of persons who refuse to give evidence or produce documents before Committees of the Provincial Legislature.

13. Local government, that is to say, the constitution and powers of municipal corporations, improvement trusts, district boards, mining settlement authorities and other local authorities for the purpose of local self-government or village administration.

14. Public health and sanitation; hospitals and dispensaries; registration of births and deaths

15. Pilgrimages, other than pilgrimages to places beyond India.

16. Burials and burial grounds.

17. Education.

18. Communications, that is to say, roads, bridges, ferries, and other means of communications not specified in List I; minor railways subject to the provisions of List I with respect to such railways; municipal tramways; ropeways; inland waterways and traffic thereon subject to the provisions of List III with regard to such waterways; ports subject to the provisions in List I with regard to major ports; vehicles other than mechanically propelled vehicles.

19. Water, that is to say, water supplies, irrigation and canals, drainage and embankments, water storage and water power.

20. Agriculture, including agricultural education and research, protection against pests and prevention of plant diseases; improvement of stock and prevention of animal diseases;

veterinary training and practice; pounds and the prevention of cattle trespass.

21. Land, that is to say, rights in or over land, land tenures, including the relation of landlord and tenant, and the collection of rents; transfer, alienation and devolution of agricultural land; land improvement and agricultural loans; colonization; Courts of Wards; encumbered and attached estates; treasure trove.

22. Forests.

23. Regulation of mines and oilfields and mineral development subject to the provisions of List I with respect to regulation and development under Federal control.

24. Fisheries.

25. Protection of wild birds and wild animals.

26. Gas and gasworks.

27. Trade and commerce within the Province; market and fairs, money lending and money lenders.

28. Inns and innkeepers.

29. Production, supply and distribution of goods; development of industries, subject to the provisions in List I with respect to the development of certain industries under Federal control.

30. Adulteration of foodstuffs and other goods; weights and measures.

31. Intoxicating liquors and narcotic drugs, that is to say, the production, manufacture, possession, transport, purchase and sale of intoxicating liquors, opium and other narcotic drugs, but subject, as respects opium, to the provisions of List I and, as respects poisons and dangerous drugs, to the provisions of List III.

32. Relief of the poor; unemployment.

33. The incorporation, regulation, and winding-up of corporations other than corporations specified in List I; unincorporated trading, literary, scientific, religious and other societies and associations; co-operative societies.

34. Charities and charitable institutions : charitable and religious endowments.

35. Theatres, dramatic performances and cinemas, but not including the sanction of cinematograph films for exhibition.

36. Betting and gambling.

37. Offences against laws with respect to any of the matters in this list.

38. Inquiries and statistics for the purpose of any of the matters in this list.

39. Land revenue, including the assessment and collection of revenue, the maintenance of land records, survey for revenue purposes, and records of rights, and alienation of revenue.

40. Duties of excise on the following goods manufactured or produced in the Province and counter-vailing duties at the same or lower rates on similar goods manufactured or produced elsewhere in India—

(a) alcoholic liquors for human consumption ; (b) opium, Indian hemp and other narcotic drugs and narcotics ; non-narcotic drugs ; (c) medicinal and toilet preparations containing

alcohol or any substance included in sub-paragraph (b) of this entry.

41. Taxes on agricultural income.

42. Taxes on lands and buildings, hearths and windows.

43. Duties in respect of succession to agricultural land.

44. Taxes on mineral rights, subject to any limitations imposed by any Act of the Federal Legislature relating to mineral development.

45. Capitation taxes.

46. Taxes on professions, trades, callings and employments. 47. Taxes on animals and boats. 48. Taxes on the sale of goods and on advertisements. 49. Cesses on the entry of goods into a local area for consumption, use or sale therein.

50. Taxes on luxuries, including taxes on entertainments, amusements, betting and gambling.

51. The rates on stamp duty in respect of documents other than those specified in the provisions of List I with regard to rates of stamp duty.

52. Dues on passengers and goods carried on inland waterways. 53. Tolls.

54. Fees in respect of any of the matters in this list, but not including fees taken in any Court.

LIST III—CONCURRENT LEGISLATIVE LIST

PART I

1. Criminal law, including all matters included in the Indian Penal Code at the date of the passing of this Act but excluding offences against laws with respect to any of the matters specified in List I or List II and excluding the use of His Majesty's naval, military and air forces in aid of the civil power.

2. Criminal Procedure, including all matters included in the Code of Criminal Procedure at the date of the passing of this Act. 3. Removal of prisoners and accused persons from one unit to another unit.

4. Civil Procedure, including the

law of Limitation and all matters included in the Code of Civil Procedure at the date of the passing of this Act : the recovery in a Governor's Province or a Chief Commissioner's Province of claims in respect of taxes and other public demands, including arrears of land revenue and sums recoverable as such, arising outside that Province.

5. Evidence and oaths ; recognition of laws, public acts and records and judicial proceedings.

6. Marriage and divorce ; infants and minors ; adoption

7. Wills, intestacy, and succes-

sion, save as regards agricultural land.

8. Transfer of property other than agricultural land; registration of deeds and documents.

9. Trusts and Trustees.

10. Contracts, including partnership, agency, contracts of carriage, and other special forms of contract, but not including contracts relating to agricultural land.

11. Arbitration. 12. Bankruptcy and insolvency; administrators-general and official trustees.

13. Stamp duties other than duties or fees collected by means of judicial stamps, but not including rates of stamp duty.

14. Actionable wrongs, save in so far as included in laws with respect to any of the matters specified in List I or List II.

15. Jurisdiction and powers of all courts except the Federal Court, with respect to any of the matters in this list. 16. Legal, medical and other professions. 17. Newspapers, books and printing presses. 18. Lunacy and mental deficiency, including places for the reception or treatment of lunatics and mental deficient.

19. Poisons and dangerous drugs.

20. Mechanically propelled vehicles. 21. Boilers. 22. Prevention of cruelty to animals. 23. European vagrancy; criminal tribes.

24. Inquiries and statistics for

the purpose of any of the matters in this Part of this List.

25. Fees in respect of any of the matters in this Part of this List, but not including fees taken in any Court.

PART II

26. Factories.

27. Welfare of labour; conditions of labour; provident funds; employers' liability and workmen's compensation; health insurance, including invalidity pensions; old age pensions.

28. Unemployment insurance.

29. Trade unions; industrial and labour disputes.

30. The prevention of the extension from one unit to another of infectious or contagious diseases or pests affecting men, animals or plants.

31. Electricity. 32. Shipping and navigation on inland waterways as regards mechanically propelled vessels, and the rule of the road on such waterways; carriage of passengers and goods on inland waterways.

33. The sanctioning of cinematograph films or exhibition.

34. Persons subjected to preventive detention under Federal authority.

35. Inquiries and statistics for the purpose of any of the matters in this Part of this List.

36. Fees in respect of any of the matters in this Part of this List, but not including fees taken in any court.

Summary of Results of Elections in 1937 in each Province of British India

(Compiled from the returns showing the results of elections in India, 1937)

Province	Total electorate	Total number of voters in contested constituencies	Number of votes polled	% of column 4 to column 3
Legislative Councils				
Madras	24,979	21,219	17,142	80.08
Bombay	14,769	13,616	10,589	77.4
Bengal	19,610	12,005	5,598	46.6
United Provinces	17,212	13,999	9,795	70.2
Bihar	7,673	6,672	4,818	66.21
Assam	5,128	2,789	2,628	94.04
Total	89,371	70,240	50,010	71.20

<i>Province</i>	<i>Total electorate</i>	<i>Total number of voters in contested constituencies</i>	<i>Number of votes polled</i>	<i>% of column 4 to column 3</i>
<i>Legislative Assemblies</i>				
Madras	6,486,760	6,145,450	3,171,168	51·6
Bombay	2,609,457	2,385,699	1,209,298	51·7
Bengal	6,695,488	6,299,429	2,586,404	40·5
United Provinces	5,835,809	5,187,093	3,362,786	58·3
Punjab	2,686,094	2,401,637	1,529,890	63·7
Bihar	2,412,229	2,308,894	1,367,184	59·22
C. P. and Berar	1,741,864	1,713,166	955,869	54·8
Assam	815,841	781,898	522,278	71·85
N.-W. F. Province	246,609	246,609	179,529	72·8
Orissa	520,225	490,022	288,514	58·87
Sind	689,048	614,942	383,589	54·2
Total	30,187,914	28,424,342	15,506,454	54·55

NUMBER OF WOMEN VOTERS IN ELECTIONS TO BOTH
RESERVED AND UNRESERVED SEATS

<i>Province</i>	<i>Number enrolled</i>	<i>No. enrolled in contested constituencies</i>	<i>No. who voted</i>	<i>% of column 4 to column 3</i>
<i>Legislative Councils</i>				
Madras	2,796	2,578	1,420	55·1
Bombay	1,755	1,636	923	56·4
Bengal	3,673	2,136	437	20·5
United Provinces	2,262	1,684	598	35·5
Bihar	1,060	882	594	67·84
Assam	1,127	559	512	91·57
<i>Legislative Assemblies</i>				
Madras	1,584,784	1,523,248	479,278	31·5
Bombay	335,890	305,750	129,535	42·4
Bengal	970,038	896,588	46,758	5·2
United Provinces	520,380	494,752	95,553	19·3
Punjab	189,105	173,459	58,216	33·56
Bihar	229,044	215,490	17,037	7·9
C. P. & Berar	268,931	259,750	63,744	24·5
Assam	45,366	29,680	8,678	29·23
N.-W. F. Province	4,895	4,895	3,498	71·4
Orissa	79,208	70,526	4,670	6·62
Sind	32,668	27,940	9,705	34·7

DIRECTORY of the Government of India will be found elsewhere in this Year-Book.

FINANCE

THE GOVERNMENT OF INDIA* (Central Government)

The Revenue and expenditure of the Central Government were Rs. 107·65 crores and Rs. 114·18 crores respectively according to the Accounts of 1940-41. The principal sources of revenue are at present Customs, Taxes on Income other than Corporation Tax, Corporation Tax, Railway Contribution, Post and Telegraphs, Currency and Mint, Profits of the Reserve Bank, and Salt Tax. The principal items of expenditure are Defence, General Administration, Debt Services, Payment to Provinces, etc.

The following Tables show the variations in revenue and expenditure in recent years :—

<i>Heads of Revenue</i>	REVENUE <i>In Crores of Rupees</i>		
	<i>1940-41</i> <i>Accounts</i>	<i>1941-42</i> <i>Revised</i> <i>Estimates</i>	<i>1942-43</i> <i>Budget</i> <i>Estimate</i>
Customs	37·30	36·00	35·35
Corporation Tax	4·14	11·30	21·99
Taxes on Income other than Corporation Tax	21·79	32·13	42·00
Railways' Contribution	12·16	19·12	20·13
Posts and Telegraphs	1·25	3·19	4·23
Currency & Mint	1·94	3·42	3·26
Profits from Reserve Bank	0·19	2·47	2·47
<i>Total Revenue</i>	107·65	129·62	152·00

EXPENDITURE			
Civil Estimates	40·57	44·44	54·07
Defence Expenditure	73·61	102·45	133·00
<i>Total Expenditure</i>	114·18	146·89	187·07
Deficit on Revenue Account	6·53	17·27	35·07

India's Defence Expenditure which had been progressively reduced for some years upto and including 1937-38, has increased since 1938-39. The following tables speak for themselves :—

DEFENCE EXPENDITURE (Estimates) <i>(In lakhs of Rupees)</i>			
	<i>1941-42</i>	<i>1942-43</i>	<i>1943-44</i>
1. Basic normal charge	36·77	36·77	36·77
2. Effect of rise in prices on (1)	4·24	6·52	10·62
3. India's War Measures	53·03	81·30	127·01
4. Non-effective charges	8·41	8·41	8·41
	102·45	133·00	182·81

* See Railway Finance under Railways.

The revised estimates for 1943-44 put the Defence Expenditure at Rs. 189.75 lakhs as against Rs. 1,33.00 lakhs in the Budget estimate.

Details of Revenue and Expenditure, according to the Finance and Revenue Account are given below :—

1940-41 (*In lakhs of Rupees*)

<i>Heads of Revenue</i>		<i>Heads of Expenditure</i>	
Customs	3,729.68	Direct Demands on Revenue	381.54
Central Excise	948.61	Salt : Capital outlay within	0.45
Provincial Excise	26.78	revenue a/c	
Corporation Tax	418.84	Railways	3,559.16
Taxes on Income	1,763.64	Irrigation	9.14
Salt	767.27	Posts & Telegraphs	69.42
Opium	47.85	Debt Services	1,278.43
Land Revenue	18.11	Civil Administration	1,243.49
Stamps	39.32	Currency & Mint	98.87
Forests	23.14	Civil Works	298.73
Registration	.93	Miscellaneous	309.28
Other Taxes & Duties	6.09	Misc. Capital Outlay	9.29
Railways	4,775.53	Defence Services	7,480.65
Irrigation	1.55	Extraordinary items	122.26
Posts & Telegraphs	193.76		
Interest Receipts	78.77		
Civil Administration	113.40		
Currency & Mint	194.61		
Civil Works	25.84		
Miscellaneous	165.23		
Defence Receipts	119.23		
Contributions & adjustments			
between Central & Provincial			
Govts.	504.77		
Extraordinary Receipts	1,049.85		
Total Revenue	14,207.91	Total Expenditure Charged	
		against Revenue	14,860.71

REVENUE & EXPENDITURE OF GOVERNMENT OF
INDIA (CENTRAL)

In Crores of Rupees

	<i>Revenue</i>	<i>Expenditure</i>
1934-35	122	121.7
1935-36	121	121
1936-37	117.8	119.6
1937-38	122.5	122.5
1938-39	121	121.7
1939-40	121.8	121.8
1940-41	139	147.7
1941-42	145*	158.9
1942-43	140*	187

* Budget Estimates.

RECENT INCREASES IN TAXATION

1941-42

1. Increase in Excess Profit-Tax from 50% to 66 $\frac{2}{3}$ %.
2. Increase in surcharge on Income and Super-Tax from 25% to 33 $\frac{1}{3}$ %.
3. 100% increase in Excise Duty on matches.
4. Increase in alternative specific duty on artificial silk yarn and thread from 3 annas to 5 annas per lb.
5. 10% *ad valorem* duty on pneumatic tyre and tube.

1942-43

1. Lowering of minimum taxable level to Rs. 1,500 from Rs. 2,000.
2. Increase of surcharge on Income Tax on a graduated scale.
3. Raising surcharge on super-tax from 33 $\frac{1}{3}$ % to 50%.
4. Increasing surcharge on Corporation Tax to 1 $\frac{1}{2}$ annas in the rupee.
5. Raising prices of ordinary envelopes to 1 $\frac{1}{2}$ annas, and the minimum telegram charges from 10 as. to 12 as. and express telegram charges from Re. 1-4 as to Re. 1-8 as. and increasing surcharge on trunk calls from 10% to 20%.
6. Tax on petrol increased from 12 as. to 15 as. per gallon and increase in duty on kerosene.

1943-44

1. Surcharge on Income Tax above Rs. 5,000.
2. Increase in super tax on slabs between Rs. 25,000 and Rs. 8 $\frac{1}{2}$ lakhs.
3. Increase in Corporation tax to 2 as in the rupee.
4. Increase of postal and telephone charges.
5. Contribution by way of increased Excess Profit Tax. (Introduced in June 1943).

INCREASING CONTRIBUTION FROM RAILWAYS

Contribution from State Railways have substantially increased in recent years. According to 1939-40 Accounts the contribution amounted to Rs. 4.83 crores while the 1940-41 Accounts put the figure at Rs. 12.16 crores. The Revised Estimates for 1941-42 put the figure at Rs. 19.12 crores and the Budget estimate for 1942-43 was Rs. 20.13 crores.

PUBLIC DEBTS

The Total Debts of the Central Government stood at Rs. 942.29 crores in India and Rs. 180.00 in England on 31st of March, 1942. Under Repatriation Scheme resorted to during the present war, India's sterling debts have since been completely liquidated.

THE PROVINCES

British India, as at present constituted, has an area of 862,679 sq. miles and a total population of about 296 millions according to the Census Report of 1941. The areas and population of the different provinces and States have been given in the Tables on pp. 116-7 of this Year-Book. As has already been noted, British India has been divided into eleven Governors' provinces, *viz.*, Madras, Bombay, Bengal, United Provinces, Punjab, Bihar, Central Provinces and Berar, Assam, Orissa, Sind, and N.-W. F. Province, and five Chief Commissioners' provinces, *viz.*, Delhi, Baluchistan, Ajmer-Merwara, Coorg, and Andamans and Nicobars.

PROVINCIAL GOVERNMENT AND DECENTRALIZATION

With the enforcement of Part III of the Constitution Act of 1935, the provincial spheres of administration have been more clearly defined and the eleven Governors' provinces now practically enjoy provincial autonomy in local Government (see p. 140 of this Year-Book). The process of decentralization which had been much advanced under the constitution of 1919 has reached almost the final stage in its growth.

The spheres of taxation, administration and legislation, as between the Central or the Federal Government and the Provincial Governments, have now been clearly demarcated. The control of the Governor-General or the Secretary of State for India over provincial administration has been greatly relaxed so as to enable provincial Governors to act, as far as possible, as constitutional Governors.

PROVINCIAL FINANCE

Land revenue, Excise, Stamps, Payments from Central Government, Irrigation,—these are the principal heads of revenue of Indian provinces, while General Administration, Police, Education, Administration of Justice, Medical and Public Health, Agriculture, Industries are the principal heads of expenditure. According to the Finance and Revenue Accounts 1940-41, the Provinces had a total Revenue of Rs. 97.48 crores and total Expenditure of Rs. 95.18 crores and total surplus of Rs. 2.30 crores. The Revised Estimates for 1941-42 showed small surpluses for most of the provinces and a deficit of a little over a crore of rupees in Bengal and of Rs. 14 lakhs for Sind. The combined figures for all the provinces are given below :

(In Lakhs of Rupees.)

	1940-41 <i>Accounts</i>	1941-42 <i>Revised Estimates</i>	1942-43 <i>Budget Estimates</i>
Revenue	97.48	1,05.65	1,04.15
Expenditure	95.18	1,05.28	1,04.67
Total net surpluses			
(+) or deficits (-)	+2.30	+42	-52

Provincial Government Budgets

(In lakhs of Rupees)

(Accounts 1940-41)

<i>Province</i>	<i>Revenue</i>	<i>Expenditure</i>	<i>Surplus + Deficit -</i>
Madras	18,08	17,55	+ 53
Bombay	14,48	13,61	+ 87
Bengal	13,54	14,45	- 91
United Provinces	14,65	14,64	+ 1
Punjab	12,89	12,20	+ 69
Bihar	6,18	5,88	+ 30
C. P. & Berar	5,26	4,96	+ 30
Assam	3,29	3,13	+ 16
N.-W. F. Provinces	1,92	1,83	+ 9
Orissa	1,99	1,88	+ 11
Sind	5,20	5,05	+ 15
	97,48	95,18	+ 2,30

Provincial Government Budgets

(In lakhs of Rupees)

<i>Revised Estimates 1941-42</i>				<i>Budget Estimates 1942-43</i>		
<i>Revenue</i>	<i>Expendi- ture</i>	<i>Surplus + Deficit -</i>		<i>Revenue</i>	<i>Expendi- ture</i>	<i>Surplus + Deficit -</i>
Madras	19,42	19,24	+ 18	18,98	18,94	+ 4
Bombay	15,66	15,28	+ 38	15,18	15,17	+ 1
Bengal	15,29	16,32	- 1,03	15,70	16,75	- 1,05
United Provinces	16,50	16,32	+ 18	17,12	17,08	+ 4
Punjab	14,20	13,95	+ 25	13,54	13,64	- 10
Bihar	6,51	6,04	+ 47	6,43	5,80	+ 63
C. P. & Berar	5,18	5,13	+ 5	5,26	5,23	+ 3
Assam	3,21	3,32	- 11	3,19	3,17	+ 3
N.-W. F. P.	2,19	2,09	+ 10	1,97	1,96	+ 1
Orissa	2,06	1,97	+ 9	1,97	1,97	...
Sind	5,43	5,57	- 14	4,81	4,96	- 15
Total	105,65	105,28	+ 42	104,15	104,67	- 52

Subventions and other payments made by the Central to the Provincial Governments .

(In lakhs of Rupees)

	<i>Income Tax</i>		<i>Excise Duty</i>		<i>Subventions</i>	
	<i>1940-41</i>	<i>1941-42</i>	<i>1940-41</i>	<i>1941-42</i>	<i>1940-41</i>	<i>1941-42</i>
Bengal	88'20	147'80	159'17	165'55	...	...
Bombay	88'20	147'80	..	...	...	...
Madras	62'40	110'85	...	...	...	...
United Provinces	62'40	110'85	...	...	25'00	25'00
Punjab	33'98	59'12	...	...	...	...
C. P. & Berar	20'80	36'95	..	...	...	...
Bihar	41'60	73'90	14'48	16'14	...	...
Assam	8'32	14'78	10'59	12'48	30'00	30'00
Orissa	8'32	14'78	88	1'00	43'00	43'00
N.-W. F. P.	4'16	7'39	...	...	100'00	100'00
Sind	8'32	14'78	...	...	105'00	105'00
Total	416'60	739'00	185'12	195'17	308'00	303'00

CONSOLIDATED DEBT POSITION OF PROVINCES

(In lakhs of Rupees)

	1936-37	1939-40	1940-41	1941-42
<i>I. Public Debt.</i>				
(a) Permanent Debt	8,72	19,60	23,33	23,02
(b) Floating Debt	...	1,80	50	1,00
(c) Loans from Central Govt.	143,80	121,77	120,54	119,02
<i>II. Unfunded Debt</i>	15,03	24,44	25,54	26,63
<i>III. Gross Total Debt</i>	167,55	167,61	169,91	169,67
<i>IV. Net Debt</i> (Deduct outstanding loans and advances made by Provincial Governments)	104,63	135,65	138,98	138,11
<i>V. Provision for the reduction of Debt during the year</i>	2,31	1,51	2,84	3,39
<i>VI. Closing Cash Balance</i>	10,10	9,59	10,64	8,14

MADRAS

Madras is the southernmost Presidency in India, covering an area of 124,363 sq. miles and containing a population of about 49·3 millions according to 1941 census, chiefly of Dravidian origin. Tamil, Telugu, Malayalam and Kannada are the principal languages of the province.

The entire Presidency lies to the south of the river Kistna and the Tungavadra. It is traversed on the east by a mountain range of the Eastern Ghats, which divides this province into a coastal plain extending from Ganjam to the Cape. The Western Ghats descend along the western coast

right down to Cape Comorin, reaching a maximum height of 8,640 ft. at the Dodabetta peak of the Nilgiri Hills. The western coast is called the Malabar coast and the break in the continuity of the Western Ghats, called the Palghat gap, forms the means of communication between Malabar and the Karnatic. The chief rivers are the Kistna, the Godavari, the North Pennar, the Palar, the South Pennar and the Cauveri.

Climate and Production : The climate is free from extremes. Rice, millets, *raai*, and pulses are the principal crops of this province. Cotton is grown in Tinnevely, Coimbatore, and Bellary. Tobacco is grown in Madura and Coimbatore. Coffee is also largely grown in this province and also in the States of Mysore, Travancore, and Cochin. Rubber is grown principally in Travancore and Cochin. Agriculture is the principal means of livelihood of the province. Irrigation has been successfully and profitably carried on in the province, the area under irrigation in 1939-40 being about 8½ million acres, interest earning from productive irrigation works being 6·36% of the capital at charge. There were 1,811 factories employing 197,266 hands in 1939-40.

Communications . In 1938-39 there were 38,818 miles of roads, of which 24,554 were metalled. There were about 5,100 miles of railway lines. The principal ports of the province are Madras and Cochin, both major ports.

The People : The population is mainly rural and the principal cities of the province are Madras (p. 777,000), Madura, and Trichinopoly. Hindus form about 90% of the population of the province. There are large numbers of Indian Christians in the Presidency and they constitute nearly 60% of the total native Christians in India. There are three Universities in the Presidency. Madras, Andhra, and Annamalai. There were in 1938-39 78 colleges and 49,000 schools for boys, both elementary and secondary, and 4,866 schools for girls. The number of college students was 17,013 and the number of scholars in schools was about 3,205,519.

Finance . In 1940-41 the Government of Madras had a revenue of Rs. 18'08 crores and expenditure of Rs. 17'55 crores; the revenue and expenditure according to revised estimates for 1941-42 being Rs. 19'42 crores and Rs. 19'24 crores respectively. The budget estimates for 1942-43 were, revenue, Rs. 18'98 crores and expenditure, Rs. 18'94 crores.

Government : Under the Government of India Act of 1935, Madras is a Governor's Province with a bicameral Legislature. Provincial Autonomy was introduced with effect from April 1, 1937. The Congress members of the Madras Legislature took office as Ministers, but at the outbreak of the war, the Indian National Congress decided that Congress members should not continue in office as Ministers so long as the British Government did not clearly and satisfactorily set down their war aims, and the Congress Ministry resigned. At present the Governor of Madras is administering the province with the help of three Advisers.

The Legislature : The Upper House of the Madras Legislature consists of *not less than 54 and not more than 56* members, of whom 35 are from General constituencies, 7 from Mohammedans, 1 from Europeans, 3 from Indian Christians, and *not less than 8 and not more than 10* seats are to be filled by nomination by the Governor. The Lower House consists of 215 members, of whom 146 belong to General constituencies including 30 for Scheduled Castes, 1 to Backward Tribes, 28 to Mohammedans, 2 to Anglo-

Indians, 3 to Europeans, 8 to Indian Christians, 6 to representatives of Commerce, Industry, etc., 6 to Landholders, 1 to University representative, 6 to Labour, and 8 to Women.

Madras Government Directory

Governor : Hope, H. E. Captain the Hon. Sir Arthur. G.C.I.E., M.C.,
(Rs. 1,20,000 p. a.).

Private Secretary : Bryant, W. T., I.C.S.

Adviser to the Governor :

Boag, Sir George, C.S.I., C.I.E., I.C.S.

Rutherford, T. G., C.S.I., C.I.E., I.C.S.

Austin, T., I.C.S.

MADRAS HIGH COURT

Chief Justice : The Hon. Sir Lionel Leach (Rs. 5,000 p. m.)

Puisne Judges : (Rs. 4,000 p. m.) :

The Hon. Mr. Justice Sir S. Burn

The Hon. Mr. Justice V. Mockett

The Hon. Mr. Justice J. A. Bell

The Hon. Mr. Justice A. J. King

The Hon. Mr. Justice S. Wadsworth

The Hon. Mr. Justice P. V. Rao Nayudu

The Hon. Mr. Justice K. P. L. Rao.

The Hon. Mr. Justice A. C. Happell.

The Hon. Mr. Justice Sir M. Abdar Rahman

The Hon. Mr. Justice K. S. K. Ayyangar

The Hon. Mr. Justice B. Somayya

The Hon. Mr. Justice M. P. Sastri

The Hon. Mr. Justice L. C. Horwill

The Hon. Mr. Justice J. A. Byers, I.C.S.

The Hon. Mr. Justice D. B. C. K. Raman

Advocate-General : Sir A. K. Iyer

BOMBAY

Bombay, the smallest of Indian Presidencies, stretches along the western coast of India. It has an area of 77,221 sq. miles and a population of about 21 millions, according to the census of 1941. Bombay is the chief port and the principal trade and industrial centre of India. The principal Indian States in the Presidency are Baroda, Kutch, Palanpur, Rewa, the Kathiawad States, and Kolhapur. The Vindhya and the Western Ghats are the chief mountain ranges. The north-west part, viz., Gujarat and Cutch, is flat. The Tapti and the Nerwada are the chief rivers of the northern part, and the Kistna and the Godavari belong to the southern part of the province.

Climate and Production : The climate of the province is free from extremes and rainfall throughout the province is not uniform. The average annual rainfall in Gujarat is 32.5 inches, in Konkan 107.4 inches and in Bombay

Deccan 30·4 inches. Agriculture is the means of livelihood for more than 60% of the population. Cotton is the principal crop and is the source of agricultural prosperity of the province. Of the total cultivated area of over 29 million acres 1·25 million acres were irrigated in 1939-40. The net interest earning of the Government of Bombay from irrigation was 9·43% of the capital at charge invested in productive works. In 1939-40 there were 3,120 factories in the province employing 466,040 hands, permanent and seasonal. The construction of the famous Tata Hydro-Electric plant has made cheap electricity available in the industrial areas of the province.

Communications : There were in 1938-39, 20,435 miles of roads, of which about 10,128 miles were metalled. The total length of the railways of the province was 2,990 miles. Bombay is the largest port in India, the value of the total sea-borne trade being Rs. 138 crores in 1939-40. The Province also enjoys a large volume of coastal trade, the average annual coastal trade being about 40 crores of rupees.

People : Majority of the people of the province are Hindus, being about 80 per cent of total population. The Parsis, who form a very minute fraction of the population, are an important community and the City of Bombay contains nearly 50 per cent of the total Parsi population in India. Of all British provinces, Bombay has the highest percentage of urban population. The principal cities of the province are Bombay (pop. 1,490,000), Ahmedabad (592,000), Poona (238,000). There is only one University in the province besides the Thackersey University for women—an unrecognized University—which is the only institution of its kind in India. There is a School of Economics and Sociology attached to the University and there are 22 arts and professional colleges. In 1939-40 there were 17,787 college students. There were 28,699 schools, primary and secondary ; the total numbers of scholars being 1,551,121. The principal languages spoken in the province are Gujarati, Marathi, and Kanarese.

Finance : In 1940-41, the revenue and expenditure of the Government of Bombay were Rs. 14·48 crores and Rs. 13·61 crores respectively. The 1941-42 revised estimates were, revenue, Rs. 15·66 crores and expenditure, Rs. 15·28 crores, while the estimates for 1942-43 were Rs. 15·18 crores and Rs. 15·17 crores respectively.

Government : Under the Constitution Act of 1935, Sind has been separated from Bombay and made a separate province, and Aden has been made a Crown Colony. The province is now a Governor's province with a bicameral Legislature and a Council of Ministers. On the outbreak of the war, the Bombay Ministry along with other provincial Congress Ministers resigned and the Governor of Bombay is now carrying on the administration of the province with the help of Advisers.

Legislature : The Bombay Legislature consists of two Houses, the Legislative Council (Upper House) and the Legislative Assembly (Lower House). The Upper House has *not more than 30 seats and not less than 29 seats*. Of the members not more than 4 and not less than 3 are nominated by the Governor and remaining members are elected. The Lower House consists of 175 members, of which 114 are general seats (including 15 for Scheduled Castes), 29 seats for Mohammedans, 2 for Anglo-Indians, 3 for Europeans, 3 for Indian Christians, 7 for Commerce, Industry, etc., 2 for Landholders, 1 for Backward Areas and Tribes, 1 for University, 7 for Labour, and 6 for Women.

Bombay Government Directory

Governor : H. R. Sir David John Colville (*Rts.* 1,20,000)

Private Secretary : Irwin, J. B., D.S.O., M.C., I.C.S., J.P.

Advisers to the Governor :

Bristow, C. H., C.I.E., I.C.S.

Collins, G. F. S., C.S.I., C.I.E., O.B.E.

Knight, H. F., C.I.E., I.C.S.

BOMBAY HIGH COURT

Chief Justice : The Hon. Sir John Beaumont (Rs. 5,000 p. m.)

Puisne Judges (Rs. 4,000 p. m.)

The Hon. Sir C. P. Blackwell

The Hon. Sir R. S. Broomfield.

The Hon. Mr. Justice B. J. Wadia.

The Hon. Mr. Justice H. J. Kania.

The Hon. Mr. Justice N. J. Wadia

The Hon. Mr. Justice H. V. Divatia.

The Hon. Mr. Justice A. S. R. Macklin.

The Hon. Mr. Justice K. B. Wasudev.

The Hon. Mr. Justice K. C. Sen.

The Hon. Mr. Justice M. K. Chagla.

Advocate-General : Mr. M. C. Setalvad.

BENGAL

Bengal, one of the chief provinces of British India, is bounded on the north by Bhutan and Sikkim, on the south by the Bay of Bengal, on the west by Nepal, Bihar and Orissa, and on the east by Assam and Burma. There are five divisions in Bengal, *viz.*, Burdwan, Rajshahi, Presidency, Dacca and Chittagong, which are subdivided into twenty-eight districts. Cooch Behar and Tripura are the two Indian States in Bengal. The province has an area of 77,521 sq. miles and a population of about 60·3 millions, according to the census of 1941.

It is a low-lying flat country, watered by two great rivers, the Ganges and the Brahmaputra, the holy rivers of the Hindus. The soil is rich in alluvial mud and highly fertile. The numerous branches of the great rivers intersecting each other and ultimately draining into the Bay of Bengal form a delta, the lower part of which is called the Sunderbans, the home of the famous Royal Tigers. Erosion of river banks is a perplexing problem in Bengal.

Climate and Production : Bengal's climate is tropical. The summer monsoon gives it plenty of rain, the normal annual rainfall being 74·3 inches. About 75 per cent of the population depend on agriculture for their livelihood.

The total number of factories in 1939-40 was 1725 and the number of factory labourers 571,539, including seasonal workers. In 1937-38 there were 96 jute mills, 25 cotton mills, 157 engineering companies, and 4 paper mills.

Bengal produces about 85% of world's jute, 50% of India's tea, and contributes a large percentage of the total rice production in India. Fishery is a very common calling all over the province as nearly 90% of the population is fish-eating. The total forest area is about 12,000 sq. miles and timber is an important industry.

Communications : There were in 1937-38 about 95,000 miles of roads, of which about 6,000 miles were metalled. The length of railways open to traffic in 1937-38 was about 3,500 miles. The existence of a number of wide and navigable rivers has made river transport in Bengal easy and cheap. In many parts of Bengal, particularly in east and southern Bengal, steamers and country boats are the only means of transport. The two great rivers, the Ganges and the Brahmaputra, with their tributaries offer high roads to steamers and millions of boats from one end of the province to the other. There are more than 3,000 miles of navigable rivers in Bengal.

The People . Of the 60·3 million inhabitants, about 33 millions are Mohammedans and about 26·5 millions are Hindus according to census of 1941, and the rest belong to Buddhism, Christianity, and other religions. More than 90% of the population speak Bengali. The proportion of rural population is very high. Compared to Bengal's position as the premier province in India, the number of big towns is very small. There are only two big cities, Calcutta (population 2,120,000) and Dacca. Calcutta is the greatest centre of learning and culture in India and one of the most important educational centres in the East. Besides the University of Calcutta, the biggest University in the East, there are the two residential Universities at Dacca and Bolpur—the latter, the Visvabharati, being an unrecognized body. In 1939-40 there were 79 colleges in Bengal, the number of scholars being 43,026. There were moreover 61,900 schools, the number of scholars being 3,582,048.

Finance : According to the revenue accounts of 1940-41, Bengal had a revenue of Rs. 13·54 crores and an expenditure of Rs. 14·45 crores. The revenue and expenditure in the revised estimates of 1941-42 were Rs. 15·29 crores and Rs. 16·32 crores respectively, while the budget estimates for 1942-43 were Rs. 15·70 crores revenue, and Rs. 16·75 crores expenditure.

Government : Under the Constitution Act of 1935, Bengal is a Governor's province with a bicameral Legislature and a Council of Ministers. At present the Coalition Party consisting of the members of the Praja Party, Hindu Mahasabha, the Congress Party and other minor parties is in power.

Legislature : Of the two Houses of Legislature, the Upper House, the Legislative Council, has *not more than 65* and *not less than 63* members. Of these 57 are elected and not more than 8 and not less than 6 are nominated by the Governor. The Lower House, the Legislative Assembly, has 250 members, all elected. The composition of the Lower House is . 117 seats for Mohammedans, 78 General seats (including 30 for Scheduled Castes), 3 for Anglo-Indians, 11 for Europeans, 2 for Indian Christians, 19 for Commerce, Industry, mining, etc., 5 for Landholders, 2 for Universities, 1 for Labour, and 5 for Women.

Bengal Government Directory

Governor : H. E. Sir John Arthur Herbert, G.C.I.E. (Assumed charge on November 1939). (Rs. 1,20,000 p. a.)

Council of Ministers

Hon. Khwaja Sir Nazimuddin, (*Home & Civil Defence*).
 Hon. Mr. Hassan Shaheed Suhrawardy, (*Civil supplies*).
 Hon. Mr. Tulsi Charan Goswami, (*Finance*).
 Hon. Mr. Barada Prasanna Pain, (*Communication & Works*).
 Hon. Mr. Tarak Nath Mukherjee, (*Revenue*).
 Hon. Nawab Musharef Hossein, (*Judicial and Legislative*).
 Hon. Khwaja Shahabuddin, (*Commerce, Labour and Industries*).
 Hon. Mr. Preinhari Barman, (*Forest and Excise*).
 Hon. Maulavi Jalaluddin Ahmad, (*Public Health and Local Self-Government*).
 Hon. Mr. Pulin Behari Mullick, (*Publicity*).
 Hon. Mr. Jogendra Nath Mondal, (*Cooperative Credit*).
 Hon. Mr. Tamijuddin Khan, (*Education*).
 Hon. Mr. Sayed Muzzamuddin Hossain, (*Agriculture and Rural Reconstruction*).

CALCUTTA HIGH COURT

Chief Justice : The Hon. Sir Harold Derbyshire (Rs. 6,000 p. m.)

Puisne Judges (Rs. 4,000 p. m.)

The Hon. Mr. Justice Gentle	The Hon. Mr. Justice N. A. Khundkar
The Hon. Justice Sir T. Amir Ali	The Hon. Justice Sir B. N. Rau
The Hon. Mr. Justice C. Bartley	The Hon. Mr. Justice N. G. A. Edgley
The Hon. Mr. Justice G. D. McNair	The Hon. Mr. Justice. B. K. Mukerjee
The Hon. Mr. Justice S. Nasim Ali	The Hon. Mr. Justice C. C. Biswas
The Hon. Mr. Justice A. G. R.	The Hon. Mr. Justice R. F. Lodge
Henderson	The Hon. Mr. Justice A. N. Sen
The Hon. Mr. Justice R. C. Mitter	The Hon. Mr. Justice T. J. Y.
The Hon. Mr. Justice A. N. Sen	Roxburgh
The Hon. Mr. Justice A. S. M. Akram	The Hon. Mr. Justice R. B. Pal

Advocate General : Mr. S. M. Bose, Bar-at-Law.

UNITED PROVINCES OF AGRA AND OUDH

This province is bounded on the north by Nepal, on the west by the Punjab and Rajputana, on the south by Central India and on the east by Bihar. It has an area of 106,248 sq. miles and a population of 55,021,000, according to 1941 census.

Climate and Production : The climate is dry and one of extreme heat and cold. Rainfall is moderate. Irrigation canals are numerous and a wide area is under cultivation. Among agricultural production, millets, and sugar-cane come first in importance. Wheat, barley, and pulses are also grown. It is the only opium-producing province in India. The total irrigated area of the province is about 5.2 million acres. The capital at charge on productive irrigation works stood at Rs. 25.7 crores on 31st of March, 1938.

and the net interest earned by the Government was 5·82% of the capital at charge. The success of the Government's irrigation policy in this province is reflected in the increase of the agricultural production.

There were 546 factories in the province in 1939-40 employing, in all, 159,738 hands including seasonal workers. There were 83 sugar mills, 3 woollen mills and 25 cotton mills. The growth of the sugar industry in recent years has been phenomenal.

Communications : There were in 1937-38, 30,770 miles of roads of which 8,106 miles were metalled. The province possesses the longest railway route mileage of any province in British India.

The People : Overwhelming majorities of the people are Hindus. More than 75% of the people get livelihood from agriculture. The people are mainly rural, but of all provinces in India, the number of towns of moderate size is the largest in U. P. The principal towns are : Lucknow (pop. 382,000), Cawnpore (437,000), Agra (284,000), Benares (259,000), Allahabad (258,000). The province possesses as many as five Universities : Allahabad, Lucknow, Agra, Benares and Aligarh. There were in 1939-40, 78 colleges with 23,211 scholars ; 24,974 schools with 1,771,246 scholars.

Finance : According to the revenue accounts of 1940-41 U. P. had a revenue of Rs. 14·65 crores and an expenditure of Rs. 14·64 crores. The corresponding figures in the revised estimates for 1941-42 are Rs. 16·50 crores and Rs. 16·32 crores respectively. The 1942-43 budget put the revenue and expenditure at Rs. 17·12 crores and Rs. 17·8 crores respectively.

Government : U. P. is a Governor's province with a Council of Ministers and a bicameral Legislature. After the declaration of war by the British Government, the Congress Ministry in U. P. resigned. The Governor of U. P. now carries on the administration with the help of Advisers.

Legislature : Of the two Houses of Legislature, the Upper House, the Legislative Council has *not more than* 60 members and *not less than* 58 members of whom 52 are elected and not more than 8 and not less than 6 are nominated by the Governor. The Lower House, the Legislative Assembly, has 228 seats composed as follows : General 140 (including 20 for Scheduled Castes), 64 for Mohammedans, 1 for Anglo-Indians, 2 for Europeans, 2 for Indian Christians, 3 for Commerce, Industries, etc., 6 for Landholders, 1 for University, 3 for Labour, and 6 for Women.

U. P. Government Directory

Governor : Hallett, H. E. Sir Maurice Garnier, K.C.S.I., C.I.E., I.C.S.
(Rs. 1,20,000 p. a.)

Advisers to the Governor :

Marsh, P. W., C.S.I., C.I.E., I.C.S. (Revenue, Rural Development, Agriculture, Forests, Communications and Irrigation).

Panna Lall, Dr., C.I.E., I.C.S. (Education, Industries, Local Self-Government and Public Health).

Sloan, Sir T., C.S.I., C.I.E., I.C.S. (Home Affairs, Finance, Justice and Jails).

ALLAHABAD HIGH COURT

Chief Justice : The Hon. Mr. Justice Sir Iqbal Ahmad (Rs. 5,000 p. m.)

Puisne Judges : (Rs. 4,000 p. m.)

The Hon. Mr. Justice H. J. Collister	The Hon. Mr. Justice A. H. De B.
The Hon. Mr. Justice J. J. W. Allsop	Hamilton
The Hon. Mr. Justice U. S. Bajpai	The Hon. Mr. Justice Shiam Kissen
The Hon. Mr. Justice Ganga Nath	Das
The Hon. Mr. Justice Md. Ismail	The Hon. Mr. Justice Tej Narayan
The Hon. Mr. Justice K. Verma	Mulla

Advocate-General : Mr. N. P. Asthana

OUDH CHIEF COURT (LUCKNOW)

Chief Justice : The Hon. Sir G. H. Thomas (Rs. 4,000 p. m.)

Judges : (Rs. 3,000 p. m.)

The Hon. Mr. Justice R. L. Yorke
 The Hon. Mr. Justice W. Y. Medclev, I.C.S.
 The Hon. Mr. Justice R. K. Srivastava
 The Hon. Mr. Justice P. C. Agarwal, *Additional Judge*

Govt. Advocate : Mr. H. S. Gupta

BIHAR

Bihar includes Chota Nagpur and has an area of about 69,350 sq miles and a population of about 36,240,000, comprising a variety of races speaking various tongues, chief among which is Western Hindi.

Bihar is bounded on the north by Nepal, on the west by the United Provinces, Central India and Central Provinces, on the south by Orissa, and on the east by Bengal. The rainfall is scanty and it experiences extremes of temperature during the year.

Until 1912 Bihar had been a part of Bengal, but became a separate province under a Lieutenant-Governor after the removal of the partition of Bengal in 1912. In 1921, it became a Governor's province and by the Government of India Act of 1935, it became a self-governing province with two houses of Legislature and a Governor assisted by a Council of Ministers. There are twenty-six Feudatory States in Bihar.

Climate and Production : The climate is more or less dry, and has extremes of temperature, the maximum being 87°, and the minimum being 60°. The normal annual rainfall is registered as 48·4" for Bihar and 52·6" for Chota Nagpur. Agriculture is the major industry in the province, though coal-mining and other kinds of mining are common. Bihar supplies the major portion of coal in India and the Jharia coal mines are said to be the best in India. The success of the Tata Iron & Steel Co., Ltd., at Jamshedpur has thrown employments open to Indians and has contributed to add to the economic strength of the country as a whole.

Rice is the principal crop of Bihar. Maize, sugar-cane, tea, indigo, oil-seeds and tobacco are its other crops. There is a large-cigarette factory at

Monghyr. Most of India's coal and mica are to be found in Bihar. In fact Chota-Nagpur, one of the richest in minerals in the world, holds the monopoly of the world's mica. Iron is another important mineral wealth of Bihar and the Tata Iron and Steel Works at Jamshedpur is the world's second largest steel factory. Giridih, Dhanbad, and Jharia are noted for collieries. Besides manganese, gold, silver, chromite, nickel, copper, lead and saltpetre are also included in the mineral wealth of Bihar and are chiefly mined in Chota-Nagpur.

In 1937-38 there were 295 factories with 90,469 hands including seasonal workers. The growth of sugar industry in recent years has been phenomenal. In 1937-38 there were as many as 41 sugar mills in the province.

Communications : In 1937-38 there were 28,000 miles of roads in the province including 3,386 miles of metalled roads. The roads in the district of Hazaribagh are said to be the best motor roads in India. Railway mileage is very considerable in the province.

The People : The people are mostly Hindus. Of the total population of 36 millions nearly 90% are Hindus, the remaining belonging to other religions. The people are mainly rural. The number of big towns is very small. The principal towns are Patna (179,000), Gaya, Jamshedpur. Ranchi is the summer capital of the province. In 1939-40 there were 17 colleges with 6,067 scholars ; 23,606 schools with 1,129,470 scholars.

Finance . According to the revenue accounts of 1940-41 Bihar had a revenue of Rs. 6'18 crores and an expenditure of Rs. 5'88 crores. The revised estimate for 1941-42 put the figures at Rs. 6'51 crores, revenue, and Rs. 6'04 crores, expenditure. According to the budget estimate of 1942-43, the corresponding figures are Rs. 6'43 and Rs. 5'80 respectively.

Government : Bihar is now a Governor's province with a Council of Ministers. After the outbreak of the present war the Congress Ministry resigned and the administration of the province is now vested in the Governor, who is assisted by official Advisers.

Legislature : The province has a bicameral Legislature, the two Houses being the Bihar Legislative Council and the Bihar Legislative Assembly. The Legislative Council (the Upper House) has *not more than* 30 members and *not less than* 29 members and is composed of the following : General seats 9, Mohammedan seats 4, European seat 1, seats to be filled in by the Legislative Assembly 12, seats to be filled in by the Governor by nomination, *not more than* 4 and *not less than* 3. The Lower House consists of 152 seats, of which 86 are General including 15 for Scheduled Castes, 7 for Backward Areas and Tribes, 39 for Mohammedans, 1 for Anglo-Indians, 2 for Europeans, 1 for Indian Christians, 4 for Commerce, Industry, etc., 4 for Landholders, 1 for University, 3 for Labour, and 4 for Women.

Bihar Government Directory

Governor : Rutherford, H. E. Sir Thomas George, K.C.S.I., C.I.E., I.C.S. (Rs. 100,000 p. a.)

Advisers to the Governor :

Cousins, E. R. J. R., C.I.E., I.C.S.

Russel, R. E., C.I.E., I.C.S.

PATNA HIGH COURT

Chief Justice : The Hon. Sir Syed Fazl-ali. (Rs. 5,000 p. m.)

Puisne Judges : (Rs. 4,000 p. m.)

The Hon. Mr. Justice S. B. Dhavle
 The Hon. Mr. Justice C. M. Agarwala
 The Hon. Mr. Justice S. P. Varma
 The Hon. Mr. Justice F. G. Rowland
 The Hon. Mr. Justice Manohar Lall
 The Hon. Mr. Justice S. C. Chatterji
 The Hon. Mr. Justice H. R. Meredith
 The Hon. Mr. Justice Shearer
 The Hon. Mr. Justice B. P. Sinha

Advocate-General : Mr. Baldev Sahay

THE PUNJAB

The Punjab is one of the northern provinces of India, situated just below Kashmir and N.-W. F. Province, and above Sind and Rajputana, with Baluchistan on the west and U. P. on the east. It is traversed by the five famous rivers, the Indus, and its four tributaries, the Jhelum, the Chenab, the Ravi, and the Sutlej. The Salt Range, a short range of hills running from the Indus to the Jhelum, cuts off the tableland below Attock in the north-west at about 2,000 ft. above sea level. It has an area of 99,200 sq. miles and a population of about 28,419,000 according to the census of 1941.

Climate and Production . The climate is dry and one of extreme heat and cold. Rainfall is insufficient. Wheat is the principal agricultural production. Other crops grown in the Punjab are barley, cotton, tobacco, sugar-cane, etc. In 1937-38, 13 million acres of cultivated land were irrigated.

The success of the irrigation policy of the Government in this province has been remarkable. Wheat production has more than doubled itself during the present century. The Punjab is now the largest producer of wheat among the provinces in India and is one of the important wheat producers of the world. Deposits of petroleum and chemicals are found in Attock and the Salt Range, which contains the largest known masses of rock-salt in the world. In 1937-38 there were 798 factories in the province, employing 69,473 hands including seasonal workers.

Communications : There were in 1937-38 about 26,000 miles of roads, including 5,600 miles of metalled roads. The total route mileage of the railways in the province is above 7,000 miles. There are also more than 150 miles of navigable canals.

The People : The people are mainly rural and the majority of them depend on agriculture for their livelihood. In physique the Punjabis are the tallest and sturdiest of the inhabitants of all the provinces of India. The Punjab contributes a very considerable proportion of the total strength of the Indian Army. Of the total population of about 28·4 millions, nearly 15·8 millions are Moslems, about 8·7 millions Sikhs, and about 7·4 millions Hindus. The principal spoken languages are Punjabi, Hindi, Pushtu, and Urdu. The principal towns of the province are Lahore (632,000), Amritsar, Multan,

Rawalpindi. There is only one University in the province—the Punjab University. The number of colleges in the province was 50 in 1939-40 with 20,077 scholars. There were 12,197 schools with 1,207,516 scholars.

Finance : According to the revenue accounts of 1940-41, the Punjab had a revenue of Rs. 12'89 crores and an expenditure of Rs. 12'20 crores. The corresponding figures according to the revised estimates for 1941-42 were Rs. 14'20 and Rs. 18'95 crores. The Budget estimates for 1942-43 put the revenue at Rs. 18'54 crores and expenditure at Rs. 18'64 crores.

The Government : Under the Act of 1935 the Punjab is a Governor's Province with a Council of Ministers. The Unionist Party consisting of the members of the Moslem League, the Hindus, and the Sikhs is now in Ministry.

Legislature : The Punjab legislature is unicameral. The name of the legislature is Punjab Legislative Assembly. There are altogether 175 seats, of which 42 are General seats, including 8 for Scheduled Castes, 31 for the Sikhs, 84 for Mohammedans, 1 for Anglo-Indians, 1 for Europeans, 2 for Indian Christians, 1 for Commerce, Industry, etc., 5 for Landholders, 1 for University, 3 for Labour, and 4 for Women.

The Punjab Government Directory

Governor : Glancy, Sir Bertrand James, K.C.I.E. C.S.I., K.C.S.I.
(Rs 100,000 p. a.).

Council of Ministers :

Khijr Hyat-Khan, The Hon. Khan Bahadur Major Malik Tiwana
(Premier).

Singh, The Hon. Baldev Sardar.

Chhotu Ram, The Hon. Rao Bahadur Choudhury Sir.

Monohar Lal, The Hon. Sir, Barrister-at-Law.

Hyat Khan, Major Saukat.

Abdul Haye, The Hon. Mian.

LAHORE HIGH COURT

Chief Justice : The Hon. Sir Trevor Harris (Rs. 5,000 p. m.)

Puisne Judges : (Rs. 4,000 p. m.)

The Hon. Mr. Justice Dalip Singh

The Hon. Mr. Justice Din Muhammad

The Hon. Mr. Justice J. H. Monroe

The Hon. Mr. Justice R. B. Becket, I.C.S.

The Hon. Mr. Justice M. V. Bhido

The Hon. Mr. Justice Abdul Rashid

The Hon. Mr. Justice Muhammad Munir

The Hon. Mr. Justice H. A. C. Blacker

The Hon. Mr. Justice Diwan Ram Lal

The Hon. Mr. Justice S. L. Sale

Advocate-General : Mr. M. Sleem

CENTRAL PROVINCES & BERAR

Central Provinces and Berar form a single province under a Governor. The province is bounded on the north by Central India and Bihar, on the south-west by Hyderabad, and on the south-east by Orissa. It has an area of 98,000 sq. miles and has a population of 16,822,000. The area and population of Berar are 17,808 sq. miles and about 3,602,000 respectively.

Between 1905 and 1935 there have been several adjustments and readjustments of territories between C. P. and adjacent provinces of Bengal and Orissa.

Climate and Production : The climate of C. P. and Berar is mostly dry, and extreme heat and cold are the usual features. The average rainfall is for C. P. West 46·6 inches, for C. P. East 58·8 inches and for Berar 32·5 inches per annum. The principal crops are cotton, rice, and wheat. The total cultivated area irrigated by Government works was 268,352 acres in British districts. Forestry is also a paying concern. There were in 1937-38 767 factories employing 51,186 hands including seasonal workers. The principal industries are cement, lime, coal-mining and manganese-mining.

Communications . In 1937-38 there were not less than 9,000 miles of roads including 5,520 miles of metalled roads. There were more than 2,500 miles of railway lines.

People : The majority of the people—above 90% of population—are rural. The leading towns are Nagpur (300,000), and Jabulpur (184,000). Of the total population of 16·8 millions a great majority are Hindus. There are Animists, Mohammedans, and Christians. Hindi and Marathi are the principal languages of the province. There is only one University, the Nagpur University. In 1939-40 there were 14 colleges with 3,921 scholars ; 6,178 schools with 517,576 scholars.

Finance : According to the revenue account of 1940-41 the province had a revenue of Rs. 5·26 crores and an expenditure of Rs. 4·96 crores. The corresponding figures in the revised estimate for 1941-42 are Rs. 5·18 crores and Rs. 5·13 crores respectively. The Budget estimate for 1942-43 put the revenue and expenditure at Rs. 5·26 crores and Rs. 5·23 crores respectively.

The Government : Under the Act of 1935, C. P. & Berar together form a Governor's province with a Council of Ministers. After the outbreak of present war, the Congress Ministry in the province resigned and the Governor of the province is now carrying on the administration with the help of official Advisers.

Berar is vested in the British Government since 1858 by a treaty with the Nizam of Hyderabad in return for the latter's maintenance of the Hyderabad contingent for protection of the Nizam's State. In 1902 Lord Curzon negotiated a perpetual lease of this province from the Nizam at a fixed rent of 25 lakhs of rupees per annum. The treaty of 1936, while recognizing the Nizam's sovereignty over Berar, conferred on him the title of "His Exalted Highness the Nizam of Hyderabad and Berar," and on his Heir-Apparent that of "the Prince of Berar," maintains the *status quo* so far as administration is concerned. The payment of the annual rent of Rs. 25 lakhs remains unaffected. The Nizam further has the privilege of being consulted in the

appointment of the Governor of C. P. & Berar, his flag is flown alongside the British standard and his right to hold durbars and confer titles in Berar, subject to the Viceroy's approval, and to maintain a political agent in C. P. & Berar is also recognized.

Legislature : The province has a unicameral legislature, the C. P. and Berar Legislative Assembly, which contains 112 seats, of which 84 are General seats (including 20 for the Scheduled Castes), 1 for Backward Areas and Tribes, 14 for Mohammedans, 1 for Anglo-Indians, 1 for Europeans, 2 for Commerce and Industry, etc., 3 for Landholders, 1 for University, 2 for Labour, and 3 for Women.

C. P. & Berar Government Directory

Governor : Twynam, H. E. Sir Henry Joseph, K.C.S.I., C.I.E., I.C.S.
(Rs 72,000 p. a.)

Advisers to the Governor :

Burton, Sir G. P., K.C.I.E., I.C.S.

Linney, A. L., C.I.E., I.C.S.

Greenfield, H. C., C.I.E., I.C.S.

NAGPUR HIGH COURT

Chief Justice : The Hon. Sir Grille F. L. (Rs. 50,000 p. a.)

Jusice Judges : (Rs. 40,000 p. a.)

The Hon. Mr. Justice M. B. S. Niyogi

The Hon. Mr. Justice R. E. Pollock

The Hon. Mr. Justice H. G. Guer

The Hon. Mr. Justice Vivian Bose

The Hon. Mr. Justice W. R. Purank

Associate-General : Mr. Walter Dutta

ORISSA

Orissa is a separate province since April 1, 1936. Situated on the eastern coast of India below the Gangetic delta and bordering on the Bay of Bengal, it has an area of about 82,400 sq. miles and has a population of about 8,729,000, mostly Hindus. Puri, the present capital, is one of India's most famous places of pilgrimage and contains the renowned temple of Jagannath.

The new province comprises : (1) Orissa division of the former province of Bihar & Orissa ; (2) Portions of the former Madras Presidency, (a) Ganjam Agency tracts, (b) Ganjam Taluks ; (3) Portions of C. P. (a) Khariar in Raipur district, and (b) Chandrapur.

Climate and Production : The climate is free from extremes, the maximum and minimum temperatures being 88° 8" and 67° 8" respectively. The normal annual rainfall is 57.5 inches. Agriculture is the principal means of livelihood in the province. The principal crops are rice, jute, pulses, sugar-cane, etc. Turmeric is extensively cultivated.

Small industries like handloom industries, *endi* and *tussore*, bell metal and silversmithy are very common, which have reached a high degree of skill and efficiency. The chief mineral products are iron, coal, limestone, manganese and mica; 60% of India's iron ore come from Mayurbhanj, Bonai, and Keonjhar, Feudatory States of Orissa. Coal mines are found in Amjil, Sambalpur, Gangpur, Talcher, and Athmalik. The number of factories in 1937-38 was 72 with 34,302 hands including seasonal workers. Chilka and Puri export 9,000 mds. of cured fish and 50,000 mds. of fresh fish to Calcutta every year, fishing being an important industry in Orissa. A large area is covered with forests producing a considerable quantity of timber. Hides and skins form another minor industry.

Communications : In 1937-38 the province had 1,453 miles of roads, of which about a thousand miles were metalled. The total mileage of railway in the province is only a little over 500 miles. The construction of Vizagapatam harbour has given a stimulus to the foreign trade of the province.

The People : The people are mostly rural and majority of them are Hindus. The number of towns is small. Notable are Cuttack, Puri, and Berhampur. There were in 1939-40, 6 colleges with 992 scholars; 7,903 schools with 135,248 scholars.

Finance : According to the revenue account of 1940-41 Orissa had a revenue of Rs. 1'99 crores and an expenditure of Rs. 1'85 crores. The corresponding figures of the revised estimate for 1941-42 are Rs. 2'06 crores and Rs. 1'97 crores respectively. The Budget estimate for 1942-43 put the revenue and the expenditure at Rs. 1'97 crores each.

Government : Under the Act of 1935, Orissa is a Governor's province with a Council of Ministers. After the outbreak of the present war the Congress Ministry of Orissa resigned and the administration of the province now vests in the Governor acting with an official Adviser. In 1917, Utkal Union Conference demanded the formation of a separate province of Oriya-speaking people and the Montagu-Chelmsford Report was not unfavourably disposed towards the idea. The Philip and Duff Committee of 1921 reported that, opinion was in favour of amalgamation of the Oriya-speaking tracts with Orissa under one common Government. The Indian Statutory Commission in 1927 had the problem examined by a Sub-Committee under Major Atlee and suggested a Boundaries Commission for readjustment of boundaries, as Oriya-speaking people in different provinces would make a hopeless minority under local self-government scheme. The problem was discussed in the Round Table Conference and the motion of Mr. Biswanath Das in the Legislative Assembly for amalgamation was carried. Orissa was finally made a separate province under a Governor and with a Legislative Assembly of 60 seats.

Legislature : Orissa has a unicameral Legislature consisting of 60 members. The House is composed as follows : General seats 44 including 6 for Scheduled Castes, Mohammedans 4 seats, Backward Areas and Tribes 5 seats, Indian Christians 1 seat, Commerce and Industry, etc., 1 seat. Landholders 2 seats, Labour 1, and Women 2 seats.

Orissa Government Directory

Governor : H. E. Sir William Hawthorne Lewis, K.C.I.E., K.C.S.I., C.S.I., I.C.S. (Assumed charge April 1, 1941—Salary Rs. 65,000 p. a.)

Council of Ministers (Coalition)

Hon. Maharaja of Parlakimedi, *Chief Minister (Home, P. W. D., Local Self-Govt.)*

Hon. Pandit Godavaris Misra (*Finance, Publicity, Education, Development*).

Hon. Moulvi Abdus Sobhan Khan (*Revenue, Law, Commerce and Health*).

ASSAM

Assam is the north-eastern province of India with an area of 55,014 sq. miles and a population of 10,205,000. Its boundaries are Bhutan on the north, Bengal on the west and Burma on the south-east. Its capital is Shillong.

In 1905 when the partition of Bengal was effected by Lord Curzon, Eastern Bengal and Assam were united to form a province under a Lieut.-Governor with Dacca as its Capital. The agitation that followed the partition of Bengal ultimately succeeded and in 1912, Bengal became one province and Assam a separate province under a Chief Commissioner. Under the Act of 1919 it became a Governor's province and in 1937, a self-governing province with a Legislative Council (22 seats) and a Legislative Assembly (108 seats). The executive head is the Governor assisted by a Council of Ministers.

Climate and Production : The maximum and minimum temperatures in Assam are 85° and 60° respectively and rainfall is plentiful. Cherrapunji in Assam records the maximum annual rainfall in the world. The normal annual rainfall in the whole province is 100 inches and Cherrapunji itself records more than 500 inches every year. Assam is principally a hilly country covered in many places with forests. The two principal valleys, the Surma Valley and the Kachar Valley, are very fertile regions. Tea is the most important crop in Assam and rice and wheat are also grown. Rubber, silk and cotton are also grown in small quantities. Among mineral products may be mentioned petroleum, kerosene, coal, etc. The latent mineral resources are said to be large. In 1937-38 there were 734 factories employing 48,515 hands including seasonal works.

Communications : There are about 6,000 miles of roads including about 700 miles of metalled roads. The uneven surface of the province has rendered construction of railways rather difficult and expensive. There are however, 1,300 miles of railways. The Brahmaputra and its tributaries offer high-roads to steamer and country boats.

The People : The people of Assam mainly belong to the Tibeto-Burman race. According to the census of 1941, there were 4,540,497 Hindus and 3,474,141 Mohammedans and the rest belonged to tribal religions. About 45% of people speak Bengali, 21% Assamese, and Hill tribes speak Tibeto-Burman tongues. The people are mainly rural. The important towns of the province are Gauhati and Shillong, the latter the capital of the province and a famous health resort. In 1939-40 there were 11 colleges with 3,299 scholars, and 8,796 schools with 517,174 scholars.

Finance : According to the revenue accounts of 1940-41 the province had a revenue of Rs. 8.29 crores and an expenditure of Rs. 8.13 crores. The corresponding figures in the revised estimate for 1941-42 were Rs. 8.21 crores and

Rs. 3'32 crores respectively, while the budget estimate for 1942-43 put the figures at Rs. 3'19 crores and Rs. 3'17 crores respectively.

Government : As has already been noted, Assam is now a Governor's province with a Council of Ministers.

Legislature : Assam has a bicameral legislature, the Upper House, or the Legislative Council, consisting of *not more than 22* and *not less than 21* members, of whom 18 are elected *not more than 4* and *not less than 3* are nominated by the Governor. The Lower House, the Assam Legislative Assembly, consists of 108 seats, composed of as follows : 47 General seats (including 7 for Scheduled Castes), 9 for Backward Areas and Tribes, 34 for Mohammedans, 1 for Europeans, 1 for Indian Christians, 11 for Commerce, Industry, Planting, etc., 4 for Labour, and 1 for Women.

Assam Government Directory

Governor : Clow, Sir Andrew, K.C.S.I., C.I.E., I.C.S. (Rs. 66,000 p a)

The Council of Ministers :

The Hon. Saadulla, Sir Muhammad (Premier)
 The Hon. Mr. Ali Munnawar
 The Hon. Mr. Chakravarty, H. C.
 The Hon. Mr. Chowdhury Abdul Matin
 The Hon. Rahaman, Khan Bahadur Savidur
 The Hon. Chowdhury Mudabur Hussain, Khan Bahadur
 The Hon. Mr. Saikia Mohendra Nath
 The Hon. Miss Dunn Mavis
 The Hon. Mr. Dutt, Naba Kumar
 The Hon. Mr. Brahna Rupnath

SIND

Sind, a separate province since 1936, is the westernmost province of India, covering an area of 46,378 sq. miles and containing a population of 4,527,000, the majority being Mohammedans. The great river Indus runs through this province with its many tributaries, and had given rise to the development of a very ancient culture and civilization in remote past. Discoveries at Mohenjo Daro reveal such relics of historic interest. This province was included in the conquest of Alexander the Great who named the whole country after the name of the river Indus.

Climate and Production : The climate is dry and rainfall is very meagre, being only 6'3 inches per annum. The Sukkur Barrage and the Sind canals have now made agriculture possible in many barren areas. The total area irrigated in Sind is about 4 million acres, while the interest earning from productive irrigation work in 1937-38 was 2'64 per cent of the capital at charge on productive works. Wheat and barley are the chief agricultural products. There were in 1937-38, 311 factories with 27,351 hands including seasonal workers.

Communications : Sind is connected by railways with the Punjab, Bombay, Rajputana and Hyderabad. In 1936-37 there were about 12,000 miles of roads, of which 594 miles were metalled. The Indus and its tributaries offer waterways. Karachi is the principal port of the province. It is a major port

and one of the biggest ports in India. Its total average annual out-turn both in export and import, is about Rs. 48 crores. Karachi is also an important inland terminus of air services in India and contains the biggest air port in India for international air services.

The People : Of the 4·5 million people only about one million are Hindus and 3·1 millions are Muslims. The rest of the population is made up of Anglo-Indians, Europeans, and Indian Christians. The Hindus of the province are by far more literate than the Muslims, as more than 26% of the Hindus are literate and only 4·5% of the Muslims are literate. The principal town of the province is Karachi (population 859,497). The people are mostly rural and about 60% of them are engaged in agriculture. Due to the success of the irrigation system in the province, the proportion of agricultural population is likely to increase greatly in near future. In 1939-40 there were 5 colleges in the province with 2,282 scholars and 3,035 schools with 219,823 scholars. There is no University in the province. The principal language spoken is Sindhi.

Finance : According to the revenue accounts of 1940-41 Sind had a revenue of Rs. 5·20 crores and an expenditure of Rs. 5·05 crores. The revised estimate for 1941-42 put these figures as Rs. 5·43 crores and Rs. 5·57 crores respectively. The corresponding figures in the Budget estimate for 1942-43 were Rs. 4·81 crores and Rs. 4·96 crores respectively.

Government : Under the Act of 1935 Sind has been constituted a new province with a Governor and a Council of Ministers. The Ministry of Sind is as unstable and short-lived as the French Ministry before the war.

Legislature : Sind has a unicameral legislature consisting of 60 members. The composition of the Sind Legislative Assembly is as follows :—General seats 18, Mohammedans 23 seats, Europeans 2 seats, Labour 1 seat, Trade, Industries and Commerce 2 seats, Landholders 2 seats, and Women 2 seats.

Sind Government Directory

Governor : Dow, H. E. Sir Hugh, K.C.S.I., C.S.I., C.I.E.
(Rs. 66,000 p. a.)

Council of Ministers

Hon. Sir Gbulam Hossain Hidayetullah (Premier).
Hon. Rao Sahib Gokaldas Mewaldas.
Hon. Dr. Hemendas Wadhwani.
Hon. Khan Bahadur Khuhro.
Hon. Mr. Gazdar
Hon. Pir Elahi Buksh.

SIND CHIEF COURT

Chief Judge : The Hon. Sir Godfrey Davis (Rs. 3,000 p. m.)

Judges : The Hon. Mr. Justice C. M. Lobo
The Hon. Mr. Justice H. B. Tavabji

NORTH-WEST FRONTIER PROVINCES

The North-West Frontier Province forms a narrow rugged mountainous tract lying on the extreme north-west frontier of India, bordering on Afghanistan between the Hindukush and Sulaiman mountains above and the river Indus below. It has an area of 18,518 sq. miles and contains a

population of 3,088,000 ; 90% being Mohammedans and chiefly agriculturists. The estimated population of the trans-border area is about 2,250,000.

The territory was annexed in 1849 and the province was created in 1901 and had been under a Chief Commissioner till 1932. By the Act of 1935 it became a self-governing province under a Governor and with a Legislative Assembly containing 50 seats. The province is divided into four parts :—

(1) The Darajat Frontier including the Tochi & Wana agencies. (2) The Kurram valley. (3) The Peshawar Frontier extending northwards upto Kashmir and including Tirah country, South of the Safedkoh, the Mohmand country, Bajaur, Dir, Swat and Bannu, etc. (4) Chitral.

There are five trans-border political agencies : Malakhand, Khyber, Kurram, Tochi and Wana and several tribal areas, all under a Deputy Commissioner. The main rivers are the Kabul, the Kurram, the Tochi and the Gomal, all tributaries of the Indus. The mountains are the Hindukush (highest alt. 16,000 ft.), the Safedkoh and the Sulaiman.

Climate and Production : Climate is one of extremes, reaching 126° to 122° in summer and 30° to 32° in winter. Rainfall is scanty. The normal rainfall is only 15·9 inches per annum. The total irrigated area in 1937-38 was 347,000 acres. Chief crops are wheat, barley, maize, and bazra. Pomegranates, grapes, and apples are the chief fruits grown in the province. There were in 1937-38 only 29 factories with 1,371 hands including seasonal workers.

Communications : Pack horses, camels, and motor-lorries are the principal conveyances in the N.-W. Frontier Province, though there are certain portions of N.-W. Railway in the province. A strategic railway line, 27 miles long, was completed in 1925 which connected the frontier of Afghanistan to Jamrud.

Finance : According to the revenue accounts of 1940-41 the province had a revenue of Rs. 1·92 crores and an expenditure of Rs. 1·83 crores. The corresponding figures in the revised estimate for 1941-42 were Rs. 2·19 crores and Rs. 2·09 crores respectively. The budget estimate for 1942-43 put the figures at Rs. 1·97 crores and Rs. 1·96 crores respectively.

The People : Of the total population of 2·4 millions the majority are Mohammedans. Pashto is the principal language. The tribal races are also numerous. These latter live in a no-man's land and have not yet accustomed themselves to civilized life. Most of the people are rural. The principal town of the province is Peshawar (pop. 121,866). The province is very important from military point of view, as through this province there is access to the practicable passes which are the only important land outlets for the country. The whole of the frontier regions have been thoroughly and systematically fortified. In 1939-40 there were 4 colleges with 976 scholars, and 1,166 schools with 108,704 scholars.

Government : The province is now a Governor's province with a Council of Ministers. The Governor of the province acts in the dual capacity of the Governor of the province and also Agent to the Governor-General for tribal areas. After the outbreak of the present war the Congress Ministry of N.-W. F. Province resigned and the Governor is now carrying on the administration with the help of official Advisers.

Legislature : The province has a unicameral legislature consisting of 50 members. The composition of the Assembly is as follows :—General seats 9 ; Sikh seats 3 ; Mohammedans 36 ; and Landholders 2.

N.-W. F. P. Government Directory

Governor . Cunningham, H. E. Sir George. K.C.S.I., K.C.I.E., O.B.E., I.C.S. (Rs. 66,000 p. a.).

Adviser to the Governor : Campbell, Lieut.-Colonel W. F., C.I.E.

N.-W. F. P. JUDICIAL COMMISSIONER'S COURT

Judicial Commissioner : The Hon. Mr. Justice J. Almond, (Rs. 3,000 p. m.).

Judges : The Hon. Mr. Justice K. P. K. M. Ahmed Khan.
The Hon. Mr. Justice Scott.

CHIEF COMMISSIONERS' PROVINCES

Delhi

Delhi with its surrounding districts was made a separate province under a Chief Commissioner in 1912. It is the smallest province in India having an area of 573 sq. miles and a population of 636,245. The city of Delhi is the capital of India and has a population of 447,500. It had been the seat of many imperial thrones in the past centuries and had witnessed the rise and fall of many empires in the chequered political history of this land. New Delhi is entirely reconstructed on up-to-date lines and is the seat of the Central Government. Jewellery, brass, copperware, ivory work, pottery, weaving, gold and silver embroidery are the several industries of Delhi. Six railways meet in this city. It is 700 ft. above sea level.

Delhi is now an important educational centre in India. In 1939-40 there were one University, 8 colleges, with 2,877 scholars and 331 schools, with 53,313 scholars.

Chief Commissioner . Askwith, A. V., C.I.E., I.C.S.

Ajmer-Merwara

This is a small province in Central Rajputana covering an area of 2,711 sq. miles and having a population of 560,900, 78% being Hindus. Hindi and Rajasthani are the spoken languages. The Political Agent in Rajputana is the *ex-officio* Chief Commissioner. It is covered with hills and unsuitable for cultivation. Cotton is grown in Ajmer. The famous Pushkar Tirtha is seen miles from Ajmer.

In 1939-40 there were 2 colleges with 382 scholars; 351 schools with 27,123 scholars.

Chief Commissioner : Lothian, Hon. Mr. A. C., C.S.I., C.I.E., I.C.S.

Coorg

This is a small province to the south-west of Mysore. Its area is 1,593 sq. miles and population 169,000. Its capital is Mercara. In 1939-40 there were in all more than 13,161 scholars in 123 schools. Coffee is the principal agricultural product of the place.

Chief Commissioner : Lt. Col. J. de la Hay Gordon.

Baluchistan

Baluchistan is the westernmost part of India and consists of : (1) British administered territory ; (2) Protected States of Kalat and Las Bela ; and (3) Tribal areas subject to the control of the Political Agent. It is a mountainous province, almost rainless and consequently dry and very cold in the winter. Wheat, millets, dates, grapes and melons are its principal products. The British districts have an area of 54,228 sq. miles and a population of 463,505, principally Mohammedan and nomadic in habits.

The executive head is a Chief Commissioner and there is a Revenue Commissioner, who also exercises the functions of the Judicial Commissioner. Tribal laws are administered by councils of elders, called *Jirgas*.

Quetta, its capital, was destroyed in the terrible earthquake of 1935.

Chief Commissioner & Agent to the Governor-General : Metcalfe, The Hon. Sir Aubrey, K.C.I.E., C.S.I., M.V.O.

Andaman & Nicobar Islands

The Andaman Islands lying in the Bay of Bengal consist of 5 large islands closely grouped together and of some 200 islets. The total area of the islands is 2,500 sq miles. The islands are full of forests and contain valuable timber resources. The islands also possess a number of first class harbours ; mentionable among them are Port Blair and Port Cornwallis. The total population of the islands including the aborigines is above 19,000. Since 1858 the islands have been used as a penal settlement for life and long-term convicts. Most of the inhabitants are either convicts or ex-convicts. The aboriginal population is only about 500. The islands are administered by the Governor-General through a Chief Commissioner.

The Nicobar Islands attached to the Chief Commissionership of Andaman and Nicobar Islands has a total area of 635 sq. miles and a native population of about 10,000. The islands are situated to the south of Andamans within some 80 miles.

Chief Commissioner : Waterfall, C. F., C.S.I., C.I.E., I.C.S.

N. B. The islands are now under Japanese occupation.

WORLD'S RICHEST MEN

<i>Name</i>			<i>Nationality</i>
Edsel Ford	...	...	American
Henry Ford	...	...	American
Duke of Westminster	...	...	British
The Gaekwar of Baroda	...	...	Indian
Simon Patino	...	...	Bolivian
Lord Iveagh	..	...	British
Nizam of Hyderabad	..	...	Indian
G de Wendel	..	...	French*
John D. Rockefeller, Jr.	..	...	American
Louis Louis-Dreyfus	...	...	French*
En Yang Sang	...	...	Chinese*
Frank Stein Lart	...	...	Cuban
Friedrich Flick	...	...	German

* The present position is not known.

THE INDIAN STATES

The Indian States comprise a total area of 712,508 sq. miles, and have together a total population of 92,973,000 according to the census of 1941. The Indian States represent 38·8% of the area and 23·4% of the population in India.

The Indian States are governed by their own rulers subject to certain limitations imposed by the necessity of their allegiance to the Paramount Power, viz, the British Crown. The system of government in most of the Indian States is autocratic, though the element of self-government has been introduced in most of the progressive States during the last 25 years or so. The economic, social and political development of the numerous States in India considerably vary. States like Baroda, Mysore, Travancore, Hyderabad, Cochin, Tripura, Mavurbhanj, and Cooch Behar are far advanced in all respects—in education, in government and in economic development. But there are Indian States where progress is comparatively slow. The area and population of these different States also considerably vary. Hyderabad, the biggest Indian State, has an area of 82,698 sq. miles, and a population of 14,486,148, whereas there are numerous States of which the area is not more than a few sq. miles and the population not more than a few thousands.

With the expansion of the British Empire in India, Indian States gradually came under the influence of the Paramount Power. Annexation to the Central Government continued on grounds of absence of direct heir or even misgovernment by rulers. Thus Satara, Nagpur, Oudh merged into the administration of the East India Company. The Queen's Proclamation in 1858 following the transference of administration to the British Crown clearly admitted the rights and privileges of the princes and allowed no territorial encroachment on their States. The States of Mysore and Oudh were resorted to the old ruling Houses. Governmental intervention in case of misgovernment, or prolonged minority of the Ruling Chief was, however, resorted to, but withdrawn as soon as such necessity for intervention passed. The Central Government, while guaranteeing protection against aggression from outside, strictly prohibits all diplomatic relationship with foreign countries and other States in India. In all internal affairs and over their own subjects, the Ruling Chiefs are supreme and their permission is necessary for arresting criminals escaping from British India into their territories. But outside their territories they have no political existence. Even in case of internal administration the Paramount Power reserves the right of intervention in case of serious trouble or maladministration. British subjects, where laws of British India confer such jurisdiction, and subjects of foreign Powers come within the jurisdiction of British courts. British cantonments and their civil stations in State areas are directly under the Government of India. The States, however, have to maintain a fixed proportion of organized and regular State forces, which may be utilized by the Imperial Government in case of emergency. The States, in return, receive along with rest of British India, all the advantages arising out of the Central Government's diplomatic activity, railways, and commercial facilities. The subjects of Indian States outside their territories are for all practical purposes British subjects. The Central Government exercises its control through political officers, who are resident in the States. In each of the larger States there is a Political

Resident and in each group of small States, one Resident, assisted by local Residents called Political Agents.

The relations of the Indian States with the Paramount Power are based on treaties, sanads, usages, customs and sometimes on executive actions of the Crown in India arising out of exigencies of circumstances.

Chamber of Princes

In 1921 a Chamber of Princes, as a permanent consulting body, was established to discuss matters relating to the common interests of the States and of the Empire as a whole in so far as they affect the Indian States. The Chamber of Princes was introduced as a result of the Montagu-Chelmsford Reforms. It was to be a Permanent consulting body with the Viceroy as President and the Salute Princes as members. It was to meet once a year for considering the agenda proposed and drawn up by the Chancellor. The officers of the Chamber are the Chancellor, a Pro-Chancellor, who acts in the absence of the Chancellor out of India, and a standing committee, which discusses before the final meetings the subjects to be discussed. Important office-bearers are selected by votes of the members. The first Chancellor was His Highness the Maharaja of Patiala. Since 1929 the proceedings of the Chamber have been open to the public.

The most important question discussed in the Chamber was Federation, on which opinion was sharply divided into 2 camps,—of the greater States and the lesser States,—with concentration, of power in the latter, and the differences led to the resignation of Patiala, from the Chancellorship, and Bikaner, from the standing committee in 1936. Dholpur succeeded Patiala. There had been no meetings in 1936. In 1937 the Viceroy convened a meeting. A constitutional committee under the Chairmanship of Patiala decided in favour of Federation with certain amendments on the Draft Instrument of Accession. The opinion of Sir Tej Bahadur Sapru was sought and the decision of the committee was endorsed in the final meeting of the Chamber with the re-election of Patiala to the Chancellorship by an overwhelming majority.

On the demise of H. H. the Maharaja of Patiala, the Jam Sahab of Nawanganar was elected Chancellor. There had been no meeting in 1938. The 1939-meeting was addressed by H. E. the Viceroy, who dwelt on the necessity of Hydari reforms with a view to democratization of administration in the States. The Committee examined the Instrument of Accession and raised objections, which were further considered in a conference of Princes and Ministers, which rejected the Draft Instrument as unacceptable. This led to surprise in Government circles. The outbreak of war in the meantime, however, led to the temporary suspension of the scheme. Constitutional reforms rapidly increased in the States, partly for pressure from the Indian National Congress. Mr. Gandhi's Rajkot fast in 1939 deserves mention in this connection. He, however, called off all civil disobedience movements from the States and counselled moderation. The 1940-session was opened by the Viceroy with Government's deep appreciation of the war contributions of the Princes, declaration of the importance of improving the administrative machinery in the States, and reiteration of the Government's intention of introducing Federation. The Chamber passed a resolution welcoming Dominion status, demanding safeguards for the preservation of sovereignty and autonomy of the States, as also demanding their

right of being consulted in any future constitutional reforms and in reforms which may entail transference of authority from the Crown to any other power or body. At the 1941 session of the chamber which met in March, a resolution moved by the chancellor, H. H. the Jam Sahib of Nawanagar and unanimously passed, urged that the War efforts of the Indian States and of India should be intensified and recommended that a War Advisory Council with representatives of states and provinces should be formed.

The 1942 annual session was opened by the Viceroy in summer. The chamber passed an important resolution on their attitude towards the question of constitutional reforms in view of Sir Stafford Cripps' visit, *viz.*, that "any scheme to be acceptable to the States must effectively protect their rights arising from treaties, engagements and sanads and otherwise, and ensure the future existence, sovereignty and autonomy of the States thereunder guaranteed and leave them complete freedom duly to discharge their obligations to the Crown and to their Subjects."

The Standing Committee of the Chamber appointed a small committee consisting of the Chancellor of the Chamber and the Rulers of Bikaner, Patiala, Rampur, Dewas (Junior) and the Prime Ministers of Hyderabad, Baroda and Travancore, with the object of carrying on discussions and negotiations with Sir Stafford Cripps subject to the limits imposed by the Resolution referred to above. The Chancellor who moved the resolution declared that the Princely order realised that for a successful prosecution of the War, they must all put their heads together and that they should lend to the latest proposals of His Majesty's Government the consideration to which they were entitled.

Under the Act of 1935, the Princes are to accede to the All-India Federation and they have been granted, under sections 5 and 6 of the Act, representation in the Federal Chambers. But the Princes or their representatives and not the elected representatives of the people of the States will be members of the Federal Legislature. The outbreak of the present war has impeded the progress of preparations by the States and the Paramount Power for the early materialization of an All-India Federation.

ASSAM STATES*

MANIPUR—*R.* H. H. Maharaja Budha Chandra Singh, Maharaja of, (Kshatriya); *a.* 8,638; *p.* 445,606; *re.* 9,62,000; *s.* 11.

N. B. There are 15 small non-salute Khasi Hill States under Assam States Agency.

BALUCHISTAN STATES

KALAT—*R.* Captain H. H. Beglar Begi Mir Sir Ahinad Yar Khan, G C I E., Khan of, (Brahui, Sunni Mohammedan); *a.* 54,700; *p.* 3,18,700; (including Kharan); *re.* 15,28,000; *s.* 19.

N. B. There are two non-salute states under this Agency.

R—Ruler; *a*—area; *p*—population; *re*—revenue, *s*—salute.

* In the above list, the name of the State, the name, title, and caste of the Ruler, the area in sq. miles, population after 1931 census, and average annual revenue of the State, and permanent salute in guns of the Ruler are given. The figures are taken from Govt. of India's Memorandum on Indian States, 1940.

BARODA

BARODA—*R.* H. H. Farzand-i-Khas-i-Daulat-i-Inghshia Maharaja Pratap Singh Gaekwar Sena Khas Khel Shamsheer Bahadur, Maharaja of, (Maratha); *a.* 8,164; *p.* 2,448,007; *re.* 2,39,75,000; *s.* 21.

BARODA AND GUJARAT STATES

BALASINOR—*R.* Nawab Babi Jamiat Khan Manowar Khan, Nawab of, (Patban); *a.* 169; *p.* 52,525; *re.* 3,13,500; *s.* 9.

BANSDA—*R.* Maharawal Shri Sir Indrasinhji Pratapsinhji, K.C.I.E., Raja of, (Solanki Rajput); *a.* 215; *p.* 48,807; *re.* 7,30,000; *s.* 9.

BARIA—*R.* Lt.-Col. H. H. Maharawal Shri Sir Ranjitsinhji Mansinhji, K.C.S.I., Raja of, (Chohan Rajput); *a.* 813; *p.* 159,492; *re.* 11,74,000; *s.* 9.

CAMBAY—*R.* H. H. Nawab Mirza Hussain Yawar Khan Sahab Bahadur, Nawab of, (Moghal); *a.* 392; *p.* 87,761; *re.* 8,67,943; *s.* 11.

CHHOTA-UDEPUR—*R.* Maharawal Shri Natwarsinhji Fatehsinhji, Raja of, (Chohan Rajput); *a.* 890'24; *p.* 144,660; *re.* 11,06,487; *s.* 9.

DHARAMPUR—*R.* H. H. Maharana Shri Vijayadevi Mohandevji, Raja of, (Sisodia Rajput); *a.* 704; *p.* 112,031; *re.* 3,56,145; *s.* 9.

JAWHAR—*R.* Shrimant Raja Yeshwantrao Vikramshah, *alias* Dada Sahab, Raja of, (Koli); *a.* 308; *p.* 57,261; *re.* 3,05,000; *s.* 9.

LUNAWADA—*R.* Lieut. Maharana Shri Virbhadrasinghji Ranjitsinhji, Raja of, (Solanki Rajput); *a.* 388; *p.* 95,162; *re.* 5,45,000; *s.* 9.

RAJPIPLA—*R.* Major H. H. Maharana Shri Sir Vijaysinhji Chhatrasinhji, K.C.S.I., Maharaja of, (Gobel Rajput); *a.* 1,517'50; *p.* 206,086; *re.* 24,76,187; *s.* 13.

SACHIN—*R.* Nawab Sidi Muhammad Haider Muhammad Yakut Khan, Mubanzud Daula Nusrat Jung Bahadur, Nawab of, (Sunni Muslim); *a.* 49; *p.* 22,107; *re.* 3,97,000; *s.* 9.

SANT—*R.* Maharana Shri Jorawarsinghji Pratapsinhji, Raja of, (Parmar Rajput); *a.* 394; *p.* 83,538; *re.* 4,02,166; *s.* 9.

N. B. There are 70 non-salute states under this Agency.

BHUTAN

BHUTAN—*R.* H. H. Maharaja Sri Sri Sri Sri Sri Uggen Wang-chuk K.C.I.E., Maharaja of, (Buddhist); *a.* 18,000; *p.* 300,000 (by rough estimate); *re.* 4,25,000; *s.* 15.

CENTRAL INDIA—BHOPAL AGENCY

BHOPAL—*R.* Colonel H. H. Iftikhar-ul-Mulk Sikandar Saulat Nawab Haji Sir Muhammad Hamiddullah Khan Bahadur, G.C.S.I., G.C.I.E., C.V.O., Nawab of, (Afghan); *a.* 6,924; *p.* 722,955; *re.* 80,00,000* ; *s.* 19.

DEWAS (SENIOR BRANCH)—*R.* H. H. Maharaja Vikramsinh Rao Puar, Maharaja of, (Maratha Puar); *a.* 449; *p.* 83,321; *re.* 6,50,000; *s.* 15.

DEWAS (JUNIOR BRANCH)—*R.* H. H. Maharaja Sadashiv Rao Khase Sahib Puar, Maharaja of (Maratha Puar); *a.* 419; *p.* 70,513; *re.* 7,84,000; *s.* 15.

KHILCHIPUR—*R.* Raja Rao Bahadur Sir Durjan Sal Singh, K.C.I.E., Raja of, (Khichi Rajput); *a.* 273; *p.* 45,583; *re.* 2,42,000; *s.* 9.

R.—Ruler; *a.*—area; *p.*—population; *re.*—revenue; *s.*—salute.
Includes the revenue of jagirdars.

NARSINGARH—*R. H. H. Raja Vikram Singh, Raja of, (Umat Rajput) ; a. 734 ; p. 113,873 ; re. 6,92,000 ; s. 11.*

RAJGARH—*R. H. H. Raja Bikramaditya Singh, Raja of, (Umat Rajput) ; a. 962 ; p. 134,891 ; re. 10,00,000 ; s. 11.*

N. B. There are 4 non-salute states under this Agency.

CENTRAL INDIA—BUNDELKHAND AGENCY

AJAIGARH—*R. H. H. Maharaja Sawai Bhupal Singh Bahadur, Maharaja of, (Bundela Rajput) ; a. 802 ; re. 85,895 ; p. 3,75,000 ; s. 11.*

RAONI (KADAURA)—*R. H. H. A'zam-ul-Umara Iftikhar-ud-Daulah Imad-ul-mulk, Sahib-i-Jah Mihin Sardar Nawab Muhammad Mushtaq-ul-Hasan Khan, Saifdar Jang, Nawab of, (Pathan) ; a. 121 ; p. 19,132 ; re. 1,30,000 ; s. 11.*

BARAUNDHA (PATHAR KACHHAR)—*R. Raja Ram Pratap Singh, Raja of, (Rajput Raghuwansi) ; a. 218 ; p. 16,071 ; re. 45,000 ; s. 9.*

LIJAWAR—*R. H. H. Maharaja Sawai Sir Sawant Singh Bahadur, K.C.I.E., Maharaja of, (Bundela Rajput) ; a. 973 ; p. 115,852 ; re. 3,30,000 ; s. 11.*

CHARKHARI—*R. H. H. Maharajadhiraja Sipahdar-ul-Mulk Arimardan Singh Ju Deo Bahadur, Maharaja of, (Bundela Rajput) ; a. 880 ; p. 120,551 ; re. 6,68,000 ; s. 11.*

CHHATARPUR—*R. H. H. Maharaja Dhawani Singh Bahadur, Maharaja of, (Ponwar Rajput) ; a. 1,130 ; p. 16,045 ; re. 7,55,000 ; s. 11.*

DATIA—*R. Lieut.-Colonel H. H. Maharaja Lokendra Sir Govinda Singh Bahadur, G.C.I.E., K.C.S.I., Maharaja of, (Bundela Rajput) ; a. 912 ; p. 158,834 ; re. 13,63,000 ; s. 15.*

MAIHAR—*R. Raja Sir Brij Nath Singh, K.C.I.E., Raja of (Kachhwaha Rajput) ; a. 407 ; p. 68,991 ; re. 4,08,000 ; s. 9.*

NAGOD (UNCHHERA)—*R. Raja Mahendra Singh, Raja of, (Parihar Rajput) ; a. 501 ; p. 4,589 ; re. 2,40,000 ; s. 9.*

ORCHHA (Tikamgarh)—*R. H. H. Saramad-Rajaha-i-Bundelkhand Sawai Mahendra Maharaja Shri Sir Vir Singh Deo Bahadur, K.C.S.I., Maharaja of, (Bundela Rajput) ; a. 2,080 ; p. 814,661 ; re. 12,50,000 ; s. 15.*

PANNA—*R. Captain H. H. Maharaja Mahendra Sir Yadendra Singh Bahadur, K.C.S.I., K.C.I.E., Maharaja of, (Bundela Rajput) ; a. 2,596 ; p. 212,130 ; re. 7,68,000 ; s. 11.*

SAMTHAR—*R. H. H. Raja Radha Charan Singh Deo Bahadur, Raja of (Gurjar) ; a. 178 ; p. 33,307 ; re. 3,50,000 ; s. 11.*

N. B. There are 21 non-Salute States under this Agency.

CENTRAL INDIA—INDORE AGENCY

INDORE—*R. H. H. Maharajadhiraja Raj Rajeswar Sawai Shri Yeshwant Rao Holkar Bahadur, G.C.I.E., Maharaja of, (Maratha) ; a. 9,902 ; p. 13,25,089 ; re. 1,21,71,000 ; s. 19.*

BILWA—*R. H. H. Maharajadhiraja Sir Gulab Singh Bahadur, G.C.I.E., K. C. S. I., Maharaja of, (Baghel Rajput) ; a. 13,000 ; p. 15,87,445 ; re. 47,84,000 ; s. 17.*

CENTRAL INDIA—MALWA AGENCY

ALIRAJPUR—*R. H. H. Raja Sir Pratap Singh, K.C.I.E., Raja of, (Rathor Rajput) ; a. 836 ; p. 101,963 ; re. 5,16,000 ; s. 11.*

R—Ruler ; *a*—area ; *p*—population ; *re*—revenue ; *s*—salute.

BARWANI—*R.* H. H. Rana Devi Singh, Rana of, (Sisodia Rajput); *a.* 1,178; *p.* 141,110; *re.* 10,56,000; *s.* 11.

DHAR—*R.* H. H. Maharaja Anand Rao Puar, Maharaja of, (Puar Maratha); *a.* 1,800; *p.* 343,430; *re.* 17,46,000; *s.* 15.

JAORA—*R.* Lieutenant-Colonel H. H. Fakhr-ud-Daula Nawab Sir Muhammad Iftikhar Ali Khan Bahadur Saulat Jang, G.B.E., K.C.I.E., Nawab of, (Pathan); *a.* 602; *p.* 100,106; *re.* 15,00,000; *s.* 13.

JHABUA—*R.* H. H. Raja Udai Singh, Raja of, (Rathor Rajput); *a.* 1,336; *p.* 145,522; *re.* 4,79,000; *s.* 11.

RATLAM—*R.* Major-General H. H. Maharaja Sir Sajjan Singh, G.C.I.E., K.C.S.I., K.C.V.O., A.D.C., Maharaja of, (Rathor Rajput); *a.* 693; *p.* 107,321; *re.* 10,00,000; *s.* 13.

SAILANA—*R.* H. H. Raja Sir Dileep Singh, K.C.I.E., Raja of, (Rathor Rajput); *a.* 297; *p.* 35,223; *re.* 3,00,000; *s.* 11.

SITAMAN—*R.* H. H. Raja Sir Ram Singh, K.C.I.E., Raja of, (Rathor Rajput); *a.* 202; *p.* 28,422; *re.* 2,72,000; *s.* 11.

N. B. There are 5 non-Salute States under this Agency.

EASTERN STATES—BENGAL STATES AGENCY

COOCH BEHAR—*R.* H. H. Maharaja Jagaddipendra Narayan, Bhup Bahadur, Maharaja of, (Kshatriya); *a.* 1,318; *p.* 590,866; *re.* 30,27,000; *s.* 13.

TRIPURA—*R.* Captain H. H. Maharaja, Manikya Sir Bir Bikram Kishore Deb Barman Bahadur, K.C.S.I., Maharaja of, (Hindu, Kshatriya); *a.* 4,116; *p.* 382,450; *re.* 28,33,000; *s.* 13.

MAYURBHANJ—*R.* Maharaj Sir Pratap Chandra Bhanja Deo, K.C.I.E., Maharaja of, (Kshatriya); *a.* 4,243; *p.* 889,603; *re.* 33,45,000; *s.* 9.

EASTERN STATES—CHHATTISGARH STATES AGENCY

KALAHANDI (Karone)—*R.* Maharaja Pratap Keshari Deo, Maharaja of, (Nagvanshi Kshatriya); *a.* 3,745; *p.* 5,13,716; *re.* 6,98,000; *s.* 9.

PATNA—*R.* Maharaja Rajendra Narayan Singh Deo, Maharaja of, (Chauhan Rajput); *a.* 2,511; *p.* 566,924; *re.* 10,31,000; *s.* 9.

N. B. There are 14 non-Salute States under this Agency.

EASTERN STATES—ORISSA STATES AGENCY

SONEPUR—*R.* Maharaja Sudhansu Sekher Singh Deo, Maharaja of, (Chauhan Rajput); *a.* 906; *p.* 237,920; *re.* 4,55,000; *s.* 9.

N. B. There are altogether 22 non salute states under this Agency of which Dhenkanal, Keonjhar, Bamra, Serakela, Gangpur and Talcher are fairly large.

GWALIOR RESIDENCY—GWALIOR, RAMPUR AND BENARES

GWALIOR—*R.* H. H. Maharaja Mukhtar-ul-Mulk, Azim-ul-Iqtidar, Rafi-ush-Shan, Wala Shikoh, Mohta-sham-i-Dauran, Umdat-ul-Umara, Maharaja-dhiraja Alijah His-am-us-Saltanat George Jivaji Rao Scindia Bahadur, Shrinath Mansur-i-Zaman, Fidwi-i-Hazrat-i-Malik-i-Muazzam-i-Rafi-ud-Darjat-i-Inglistan, Maharaja of, (Maratha); *a.* 26,367; *p.* 3,523,070; *re.* 2,61,86,000; *s.* 21.

R—Ruler; *a*—area; *p*—population; *re*—revenue; *s*—salute.

BENARES—*R.* H. H. Maharaja Vibhuti Narain Singh Bahadur, Maharaja of, (Bhumihar Brahmin); *a.* 875; *p.* 391,163; *re.* 19,88,000; *s.* 13.

RAMPUR—*R.* Captain H. H. Alijah, Farzand-i-Dilpazir-i-Daulat-i-Inglishia, Mukhils-ud-Daula, Nasir-ul-Mulk, Amir-ul-Umra, Nawab Sir Saiyid Raza Ali Khan Bahadur, Mustaid Jang, K.C.S.I., LL.D., D. Litt., Nawab of (Shia Mohammedan); *a.* 892'54; *p.* 464,919; *re.* 51,85,000; *s.* 15.

N. B. There is one non-Salute State under this Agency.

HYDERABAD

HYDERABAD—*R.* Lieutenant-General H.E.H. Asaf Jah Muzaffar-ul-Mulk wal Mamalik, Nizam-ul-Mulk Nizam-ud-Daula, Nawab Sir Mir Usman Ali Khan, Bahadur, Fatch Jang, Faithful Ally of the British Government, G.C.S.I., G.B.R., Nizam of Hyderabad and Berar, (Sunni Mohammedan); *a.* 82,698; *p.* 14,436,148; *re.* 91,417,000*; *s.* 21.

KASHMIR RESIDENCY

JAMMU AND KASHMIR—*R.* Major-General H. H. Maharaja Sir Harisingh, Indar Mahindar Bahadur Sipar-i-Saltanat, G.C.S.I., G.C.I.E., K.C.V.O., A.D.C., Maharaja of, (Dogra Rajput); *a.* 85,885; *p.* 3,646,243†; *re.* 2,55,94,000; *s.* 21.

N. B. There are two non-salute states under this Agency.

KOLHAPUR RESIDENCY AND DECCAN STATES AGENCY

KOLHAPUR—*R.* Lieutenant-Colonel H. H. Shri Sir Rajaram Chhatrapati Maharaj, G.C.S.I., G.C.I.E., Maharaja of, (Kshatriya); *a.* 3,217'1; *p.* 957,137; *re.* 50,31,000; *s.* 19.

DECCAN STATES

BHOR—*R.* Raja Shrimant Baghunathrao Shankarrao Pandit Pant Sachiv, Raja of, (Brahmin); *a.* 910; *p.* 141,546; *re.* 5,86,000; *s.* 9.

JANJIRA—*R.* H. H. Nawab Sidi Muhammad Khan Sidi Ahmad Khan, Nawab of (Mohammedan); *a.* 379; *p.* 110,338; *re.* 11,02,000; *s.* 11.

MULHOT—*R.* Raja Shrimant Bhairavsinh, Raja of, (Maratha); *a.* 368; *p.* 62,860; *re.* 3,18,000; *s.* 9.

SANGLI—*R.* Captain H. H. Raja Shrimant Sir Chintamanrao Dhundirao alias Appasaheb Patwardhan, K.C.I.E., Raja of, (Konkanasth Brahmin); *a.* 1,186; *p.* 258,442; *re.* 15,80,000; *s.* 9.

SAWANTWADI—*R.* H. H. Raja Bahadur Shrimant Shivram Savant Bhonsle, Raja of, (Maratha); *a.* 930; *p.* 2,30,589; *re.* 6,86,000; *s.* 9.

N. B. There are 12 non-Salute States under this Agency.

MADRAS STATES AGENCY

COCHIN—*R.* H. H. Maharaja Sri Sir Rama Varmah, G.C.I.E., LL.D. Maharaja of, (Kshatriya); *a.* 1,480; *p.* 1,205,016; *re.* 93,64,000; *s.* 17.

PUDUKKOTTAI—*R.* H. H. Sri Brihadamba Das Raja Rajagopala Tondaiman Bahadur, Raja of, (Kallar); *a.* 1,179; *p.* 400,694; *re.* 1,951,000; *s.* 11.

R—Ruler; *a*—area; *p*—population; *re*—revenue; *s.*—salute.

* In Hyderabad sicca rupees.

† Inclusive of the population of Hunza and Nagir.

TRAVANCORE—*R. H. H. Sri Padmanabha Dasa Vanchi Pala Sir Bala Rama Varma Kulasekhara Kiritapati Manney Sultan Maharaja Raja Ramaraja Bahadur Shamsher Jang, G.C.I.E., Maharaja of, (Kshatriya); a. 7,625; p. 5,095,973; re. 2,68,88,000; s. 19.*

MYSORE AGENCY

BANGANAPALLE—*R. H. H. Nawab Saiyid Fazl-i-Ali Khan Bahadur, Nawab of, (Shi'ah Muhammadan); a. 275; p. 89,239; re. 3,20,000; s. 9.*

MYSORE—*R. H. H. Maharaja Sri Jaya Chamaraja Wadiyar Bahadur, Maharaja of, (Kshatriya); a. 29,175; p. 6,557,902; re. 3,89,50,000; s. 21.*

N. B. There is one non-Salute State under this Agency.

NORTH-WEST FRONTIER

CHITRAL—*R. Captain H. H. Mehtar Mohammad Nasir-ul-Mulk, Mehtar of, (Mohammedan); a. 4,000; p. 100,950; re. 2,06,000; s. 11.*

N. B. There are 4 non-Salute States under this Agency.

PUNJAB STATES AGENCY—PUNJAB STATES

BAHAWALPUR—*R. Major H. H. Rukn-ud-Daula, Nusrat-i-Jang, Saif-ud-Daula, Hafiz-ul-Mulk, Mukhlis-ud-Daula, wa Muin-ud-Daula, Nawab Al-Haj Sir Sadiq Muhammad Khan Abbasi, Bahadur, G.C.I.E., K.C.S.I. K.C.V.O., LL.D., Nawab of; a. 16,434; p. 984,612; re. 1,21,30,000; s. 17.*

CHAMBA—*R. H. H. Raja Lakshman Singh, Raja of, (Rajput); a. 3,127; p. 146,870; re. 9,81,000; s. 11.*

FARIDKOT—*R. Lieut. H. H. Farzand-i-Sa'adat Nishan-i-Hazarat-i-Kaisar-i-Hind Barar Baus Raja Harindar Singh Bahadur, Raja of, (Barar Jat Sikh); a. 638; p. 164,363; re. 17,08,000; s. 11.*

JIND—*R. Colonel H. H. Farzand-i-Dilband, Rasikhul-i-Itiqad-i-Daulat-i-Inglishia Raja-i-Rajagan, Maharaja Sir Ranbir Singh, Rajendra Bahadur, G.C.S.I., G.C.I.E., Maharaja of, (Sidhu Jat Sikh); a. 1,299; p. 324,676; re. 26,02,000; s. 13.*

KAPURTHALA—*R. Colonel H. H. Farzand-i-Dilband, Rasikhul-i-Itiqad-i-Daulat-i-Inglishia Raja-i-Rajagan, Maharaja Sir Jagatjit Singh, Bahadur, G.C.S.I., G.C.I.E., G.B.E., Maharaja of, (Ahluwalia Sikh); a. 599; p. 316,757; re. 33,95,000*; s. 13.*

KHAIRPUR—*R. H. H. Mir Faiz Muhammad Khan Talpur, Mir of, (Muslim); a. 6,050; p. 227,183; re. 24,75,000; s. 15.*

LOHARU—*R. Captain Nawab Mirza Amin-ud-Din Ahmad Khan Bahadur, Nawab of, (Afghan); a. 226; p. 23,388; re. 1,29,000; s. 9.*

MALER KOTLA—*R. Lieutenant-Colonel H. H. Nawab Sir Ahmad Ali Khan Bahadur, K.C.S.I., K.C.I.E., Nawab of, (Sherwani Pathan); a. 165; p. 88,072; re. 8,65,000; s. 11.*

MANDI—*R. Major H. H. Raja Sir Joginder Sen, Bahadur, K.C.S.I., Raja of, (Chandra Bansi Rajput); a. 1,139; p. 207,466; re. 11,81,000; s. 11.*

NABHA—*R. H. H. Farzand-i-Arjmand Aqidat-Paiwand-i-Daulat-i-Inglishia Barar Bans Sarmur, Raja-i-Rajagan, Maharaja Pratap Singh Malvendra Bahadur, Maharaja of, (Sidhu Jat Sikh); a. 947; p. 287,574; re. 28,31,000; s. 13.*

* Including Oudh estates.

R—Ruler; *a*—area; *p*—population; *re*.—revenue; *s*—salute.

PATIALA—*R.* Captain H. H. Farzand-i-Khas-i-Daulat-i-Inglishia Mansur-i-Zaman Amir-ul-Umra Maharajadhiraj Rajeshwar Sri Maharaja-i-Rajagan, Yadavindra Singh Mahindar Bahadur, Maharaja of, (Sidhu Jat Sikh); *a.* 5,942; *p.* 1,625,520; *re.* 1,41,96,000; *s.* 17.

SUKET—*R.* H. H. Raja Lakshman Sen, Raja of, (Rajput); *a.* 392; *p.* 58,408; *re.* 2,56,000; *s.* 11.

N. B. There are 2 non-Salute states under this Agency.

PANJAB STATES AGENCY—PUNJAB HILL STATES

BILASPUR (Kahlur)—*R.* H. H. Raja Anand Chand, Raja of, (Rajput); *a.* 453; *p.* 100,994; *re.* 2,98,000; *s.* 11.

SIRMUR (Nahan)—*Lt.* Lieut. H. H. Maharaja Rajindra Parkash, Bahadur, Maharaja of, (Rajput); *a.* 1,046; *p.* 1,48,568; *re.* 8,67,000; *s.* 11.

TEHRİ (Garhwal)—*R.* Lt.-Col. H. H. Maharaja Sir Narendra Shah, K.C.S.I., LL.D., Maharaja of, (Rajput Panwar); *a.* 4,500; *p.* 4,70,109; *re.* 18,51,000; *s.* 11.

N. B. There are 28 non-Salute states and Feudatories under this Agency.

RAJPUTANA—RAJPUTANA AGENCY

BIKANER—*R.* H. H. Maharajadhiraja Raj Rajeshwar Shiromani Maharaja Shri Sir Sadul Singhji Bahadur, Maharaja of, (Rathor Rajput); *a.* 23,317; *p.* 936,218; *re.* 1,27,25,000; *s.* 17.

RAJPUTANA—EASTERN RAJPUTANA STATES AGENCY

BHARATPUR—*R.* H. H. Maharaja Sri Brajindra Sawai Brijendra Singh Bahadur, Bahadur Jang, Maharaja of, (Jat); *a.* 1,978; *p.* 486,954; *re.* 31,57,000; *s.* 17.

BUNDI—*R.* H. H. Maharao Raja Sir Ishwari Singh Bahadur, G.C.I.E., Maharao Raja of, (Chauhan Hara Rajput); *a.* 2,220; *p.* 216,722; *re.* 14,41,000; *s.* 17.

DHOLPUR—*R.* Lieutenant-Colonel H. H. Rais-ud-Daula, Sipahdar-ul-Mulk Maharajadhiraja Sri Sawai Maharaj-Rana Sir Udaibhan Singh Lokindar Bahadur Diler Jung Jai Deo, G.C.I.E., K.C.S.I., K.C.V.O., Maharaj-Rana of, (Jat); *a.* 1,173; *p.* 2,54,986; *re.* 15,53,000; *s.* 15.

JHALAWAR—*R.* Lieutenant H. H. Maharaj-Rana Sir Rajendra Singh Bahadur, K.C.S.I., Maharaj-Rana of, (Jhala Rajput); *a.* 813; *p.* 107,890; *re.* 7,11,000; *s.* 13.

KARAULI—*R.* H. H. Maharaja Sir Bhom Pal Deo Bahadur Yadukul Chandra Bhai, K.C.S.I., Maharaja of, (Jadon Rajput); *a.* 1,227; *p.* 140,525; *re.* 6,28,000; *s.* 17.

KOTAH—*R.* Colonel H. H. Maharao Sir Umed Singh Bahadur, G.C.S.I., G.C.I.E., G.B.E., LL.D. Maharao of, (Chauhan Hara Rajput); *a.* 5,725; *p.* 685,804; *re.* 49,47,000; *s.* 17.

RAJPUTANA—JAIPUR RESIDENCY

ALWAR—*R.* H. H. Maharaja Shri Sewai Tej Singhji Bahadur, Maharaja of, (Noruka Rajput); *a.* 3,158; *p.* 749,751; *re.* 37,65,000; *s.* 15.

R—Ruler; *a*—area; *p*—population; *re*—revenue; *s*—salute.

JAIPUR—*R.* Captain H. H. Saramad-i-Rajaba-i-Hindustan Raj Rajindra Sri Maharajadhiraja Sawai Sir Man Singhji Bahadur, G.C.I.E., Maharaja of, (Kachhwa Rajput); *a.* 15,601; *p.* 2,681,775; *re.* 1,44,67,000; *s.* 17.

KISHENGARH—*R.* H. H. Umdae Rajahae Baland Makan Maharajadhiraja Sumair Singh Bahadur, Maharaja of, (Rathor Rajput); *a.* 858; *p.* 85,744; *re.* 7,50,000; *s.* 15.

SHAHPURA—*R.* Rajadhiraja Umaid Singhji, Raja of, (Sisodia Rajput); *a.* 405; *p.* 54,293; *re.* 3,81,000; *s.* 9.

TONK—*R.* H. H. Said-ud-Daula Wazir-ul-Mulk Nawab Hafiz Sir Moham-mad Sa'adat Ali Khan Bahadur, Saulat-i-Jang, G.C.I.E., Nawab of, (Pathan); *a.* 2,553; *p.* 317,360; *re.* 22,63,000; *s.* 17.

N. B. There is one non-Salute state under this Agency.

RAJPUTANA—MEWAR & SOUTHERN RAJPUTANA STATES AGENCY

BANSWARA—*R.* H. H. Sri Rai-i-Rayan Maharawal Sir Pirthi Singh Bahadur, K.C.I.E., Maharawal of, (Sisodia Rajput); *a.* 1,606; *p.* 225,106; *re.* 5,86,000; *s.* 15.

DUNGARPUR—*R.* H. H. Rai-i-Rayan Maharawal Sri Sir Lakshman Singh Bahadur, K.C.S.I., Maharawal of, (Sisodia Rajput); *a.* 1,460; *p.* 227,544; *re.* 7,45,000; *s.* 15.

PARTABGARH—*R.* H. H. Maharawat Sir Ram Singh Bahadur, K.C.S.I., Maharawat of, (Sisodia Rajput); *a.* 889; *p.* 76,599; *re.* 5,55,000; *s.* 15.

UDAIPIUR (MEWAR)—*R.* Lieut.-Colonel H. H. Maharajadhiraja Maharana Sir Bhupal Singh Bahadur, G.C.S.I., K.C.I.E., Maharana of, (Sisodia Rajput); *a.* 12,941; *p.* 1,611,373; *re.* 21,05,000; *s.* 19.

N. B. There is one non-Salute state under this Agency.

RAJPUTANA—WESTERN RAJPUTANA STATES AGENCY

DANTA—*R.* H. H. Maharana Shri Sir Bhawanisinhji Bahadur, K.C.S.I., Maharana of, (Parmar Rajput); *a.* 847; *p.* 26,172; *re.* 2,01,000; *s.* 9.

JAISALMER—*R.* H. H. Maharajadhiraja Maharawal Sir Jawahir Singh Bahadur, K.C.S.I., Maharawal of, (Jadon Bhati Rajput); *a.* 16,062; *p.* 76,255; *re.* 4,20,000; *s.* 15.

JODHPUR (MARWAR)—*R.* Air Commodore H. H. Raj Rajeswar Maharajadhiraja Sir Umaid Singh Bahadur, G.C.S.I., G.C.I.E., K.C.V.O., A.D.C., Maharaja of, (Rathor Rajput); *a.* 86,071; *p.* 2,134,848; *re.* 1,65,86,000; *s.* 17.

PALANPUR—*R.* Lt.-Col. H. H. Nawab Sir Taley Muhammad Khan Bahadur, G.C.I.E., K.C.V.O., A.D.C., Nawab of (Lohani Pathan); *a.* 1,769; *p.* 265,424; *re.* 11,98,000; *s.* 13.

SIROHI—*R.* H. H. Maharajadhiraja Maharao Sir Sarup Ram Singh Bahadur, G.C.I.E., K.C.S.I., Maharao of, (Deora Chauhan Rajput); *a.* 1,994; *p.* 2,16,528; *re.* 10,03,000; *s.* 15.

SIKKIM

SIKKIM—*R.* H. H. Maharaja Sir Tashi Namgyai, K.C.S.I., K.C.I.E., Maharaja of, (Buddhist); *a.* 2,818; *p.* 109,651; *re.* 5,03,000; *s.* 15.

R—Ruler; *a*—area; *p*—population; *re*—revenue; *s*—salute.

WESTERN INDIA STATES

[States in direct relation with the Hon'ble the Resident for the States of Western India.]

BHAVNAGAR—*R.* Lieutenant H. H. Maharaja Shri Sir Krishna Kumarsinhji Bhavsinhji, K.C.S.I., Maharaja of, (Gohil Rajput); *a.* 2,961; *p.* 500,274; *re.* 1,08,90,951; *s.* 13.

CUTCH—*R.* H. H. Maharajadhiraj Mirza Maharao Shri Sir Khengarji, Savai Bahadur, G.C.S.I., G.C.I.E., Maharao of, (Jadeja Rajput); *a.* 8,249'5; *p.* 514,807; *re.* 28,37,£00; *s.* 17.

DHRANGADHRA—*R.* Major H. H. Maharaja Shri Sir Ghanshyamsinhji Ajitsinhji, G.C.I.E., K.C.S.I., Maharaja Raj Saheb of, (Jhala Rajput); *a.* 1,167; *p.* 88,961; *re.* 18,35,000; *s.* 13.

DHROL—*R.* Thakor Saheb Shri Chandrasinhji Dipsinhji, Thakor Saheb of, (Jadeja Rajput Hindu); *a.* 282'7; *p.* 27,639; *re.* 2,67,270; *s.* 9.

GONDAL—*R.* H. H. Maharaja Shri Sir Bhagvatsinhji Sagramji, G.C.S.I., G.C.I.E., Maharaja of, (Jadeja Rajput Hindu); *a.* 1,024. *p.* 205,846; *re.* 50,00,000; *s.* 11.

IDAR—*R.* H. H. Maharaja Shri Himatsinhji Dowlatsinhji, Maharaja of, (Rathor Rajput); *a.* 1,669; *p.* 262,660; *re.* 21,00,000; *s.* 15.

JUNAGADH—*R.* Captain H. H. Nawab Sir Mahabat Khan Rasulkhan, G.C.I.E., K.C.S.I., Nawab of, (Babi Pathan, Yusufzai); *a.* 3,337; *p.* 545,152; *re.* 76,84,646; *s.* 13.

LIMBDI—*R.* Thakor Saheb of, (Jhala Rajput); *a.* £43'96; *p.* 40,688; *re.* 7,89,707; *s.* 9.

MORVI—*R.* H. H. Maharaja Shri Sir Iakhdhirji Waghji, G. B. E., K.C.S.I., Maharaja of, (Jadeja Rajput); *a.* 822; *p.* 113,023; *re.* 58,53,000; *s.* 11.

NAWANAGAR—*R.* Lt.-Col. H. H. Maharaja Jam Shri Sir Digvijayasinhji Ranjitsinhji Jadeja, G.C.I.E., K.C.S.I., A.D.C., Maharaja Jam Saheb of, (Jadeja Rajput Hindu); *a.* 3,791; *p.* 402,192; *re.* 97,15,510; *s.* 13.

PALITANA—*R.* H. H. Thakor Saheb Shri Sir Bahadursinhji Mansinhji, K.C.S.I., K.C.I.E., Thakor Saheb of, (Gohil Rajput); *a.* 300; *p.* 62,150; *re.* 8,21,000; *s.* 9.

PORBANDAR—*R.* H. H. Maharaja Shri Sir Natvarsinhji Bhavsinhji, K.C.S.I., Maharaja Rana Saheb of, (Jethva Rajput); *a.* 642'25; *p.* 115,673; *re.* 25,00,000; *s.* 13.

RADHANPUR—*R.* H. H. Nawab Murtaza Khan Jorawar Khan Babi, Nawab of, (Pathan); *a.* 1,150; *p.* 70,530; *re.* 6,62,000; *s.* 11.

RAJKOT—*R.* H. H. Thakor Saheb Shri Dharamendrasinhji, Thakor Saheb of, (Jadeja Rajput); *a.* 282'4; *p.* 75,540; *re.* 13,55,000; *s.* 9.

WADHWAN (Vadwan)—*R.* Thakor Saheb Shri Surendrasinhji Jorawarsinhji Thakor Saheb of, (Jhala Rajput); *a.* 212'6; *p.* 42,602; *re.* 5,51,000; *s.* 9.

WANKANER—*R.* Captain H. H. Maharana Shri Sir Amarsinhji Banesinhji, K.C.S.I., K.C.I.E., Maharana Raj Saheb of, (Jhala Rajput); *a.* 417; *p.* 44,259; *re.* 7,37,000; *s.* 11.

N. B. There are two non-Salute States under this Agency.

WESTERN INDIA STATES

There are 47 Jurisdictional States in political relations with the Political Agent, Western Kathiawar Agency. These are all non-Salute States.

R—Ruler; *a*—area; *p*—population; *re*—revenue; *s*—salute.

Non-Jurisdictional Talukas and Estates in the Western Kathiawar Agency number 50.

WESTERN INDIA STATES

There are 15 Jurisdictional States in relation with Political Agent, Eastern Kathiawar Agency.

Non-jurisdictional Talukas and Estates in the Eastern Kathiawar Agency number 96.

WESTERN INDIA STATES

There are Jurisdictional States in political relations with the Political Agent, Sabar Kantha Agency.

PRINCIPAL INDIAN STATES*

(in alphabetical order)

[Due to difficulty in securing supply of paper, the space devoted to Indian States has had to be curtailed in the present edition and though materials were received from many Indian States the same could not be fully utilized.—*Ed.*]

ALWAR

Alwar, a State in the east of Rajputana, has an area of 8,158 sq. miles and a population of about 750,000. The average annual revenue is about Rs. 38 lakhs. The present Ruler is a descendant of Raja Udai Karan, who ruled in the 14th century. Alwar entered into a treaty of alliance with the British Government in 1803 and has rendered meritorious services to the British Government during the Mutiny and also during the Great War, the Afghan War and the present war. In 1889, the title of Maharaja was conferred on Maharao Raja Mangal Singh as a hereditary distinction. The Ruler enjoys a permanent salute of 17 guns.

Ruler: His Highness Maharaja Shri Sewai Tej Singhji Bahadur (born 17th March 1911) succeeded to the Alwar *qaidi* on the 22nd July 1937. His Highness married a daughter of Maharaja Akhey Singh of Raoti in Jodhpur—a member of the Ruling House of Jodhpur—and has two sons, Maharaj Kumars Pratap Singh and Yashwant Singh, born on 17th June 1938, and 19th September 1939, and two daughters.

BAHAWALPUR

Bahawalpur, a Mohammedan State north-west of Rajputana and bounded above by the Indus and its tributary the Sutlej, has an area of 22,000 sq. miles, and a population of 1,500,000, according to 1941 census. It is partly fertile consisting of the river valley, partly barren and partly a desert contiguous with the Great Indian Desert. Part of the barren tracts has been reclaimed by the Sutlej canals. By treaty of 1833, the British recognised the internal autonomy of the State. Chief crops are cotton and wheat.

* Unless otherwise stated the population figures are based on 1931 Census.

The annual revenue is Rs. 1,50,00,000. Administration is carried on with a Council of six Ministers. Spoken language is Multani or Western Punjabi.

Ruler : Born on 30th September 1904, Lt.-Col. H. H. the Nawab of Bahawalpur, G.C.S.I., G.C.I.E., K.C.V.O., LL. D. succeeded to the *gaddi* on 4th March 1907. Educated at the Aitchison College, Lahore. Invested with ruling powers on the 8th March 1924, and granted a commission as an Honorary Lieutenant in the Army on the 24th October 1921, and was attached to the 21st King George's Own Central India Horse. Promoted Captain in 1924, Major (honorary) in 1932 and Lt.-Col. in 1941. His Highness had the honour of being attached as honorary A. D. C. to H. R. H. the Prince of Wales in 1922. He was appointed a K.C.V.O. in 1922, K.C.S.I. and G.C.I.E. in 1929 & 1931 and G.C.S.I. in 1942. His Highness was present at the Delhi Durbar of 1911 and of 1931 and visited England in 1913, 1914, 1924, 1931, 1932, 1933-34 and 1935 and was received in audience every time by His Imperial Majesty. Went to the Hedjaz on pilgrimage in 1935 and attended the Coronation of His Majesty the King-Emperor in London in 1937.

BARODA

The State of Baroda having an area of 8,176 square miles including Pethapur tributary and a population of 2,855,010 souls (1941), 89.8 being Hindus is situated partly in Gujarat and partly in Kathiawad and divided into five Blocks : (1) Northern district of Mehsana, north of Ahmedabad, (2) Central or Baroda district, north of Nurbudda, (3) Western district of Amreli in Kathiawad, (4) Southern district of Navsari near the mouth of Tapti and (5) Okha.

The founder of the present ruling house in Baroda was Damajirao Gaekwad I. His nephew Pilajirao succeeded him in 1721 and established himself at Songadh in 1723. His son Damajirao II captured Baroda in 1734 since which date it has remained under the Gaekwads. The successors included several noted rulers of whom the most important are Sayajirao II, Ganpatrao and Khanderao. H. H. Sayajirao III aged 13, was adopted as heir to Khanderao and placed on the *gaddi* in 1875. He was succeeded by the present ruler H. H. the Maharaja Major Sir Pratapsinha in 1939.

His Highness the Maharaja is the fountain head of all authority in the State and is assisted by Sir V. T. Krishnamachari, the present Dewan and an executive council consisting of Naib Dewans or ministers in charge of Revenue Section, Development Section, and Legal Section. There is a Legislative Council consisting of 60 members out of which 37 are elected. One of the elected members of the Legislative Council is appointed to the Executive Council as the popular minister. Revenue of the State for 1941-42 was Rs. 280 lakhs and the expenditure Rs. 251 lakhs. About 64 percent of the population depends on agriculture and pasture for their livelihood. The principal crops are rice, wheat, grain, tobacco, castor, rapeseeds, cotton, hemp, sugarcane and maize. There are 11 agricultural banks and 1,294 co-operative societies. The number of operatives employed in industrial concerns coming under the Factory Act was 41,101 in 1941 while the number of Factories was 148. There are 64 towns and 2,896 villages in the State. There are 785 miles of State-owned railways and 1,712 miles of roads.

More than anything else Baroda is famous for its achievements in the field of education and social reform. The Educational department of the State

includes in its orbit 2,548 institutions, several colleges--arts, commerce and teachers' training--the Kalabhavan Technical Institute and the District Industrial schools, the teachers' training institutions, the Boy Scout organisation, physical training centres, museum and art gallery, etc. Special attention is given to the education of the backward classes and to vocational education. According to the census of 1941 about 22 percent of the people are literate. The State introduced the system of Free and Compulsory primary education in Baroda so far back as 1893. In 1938 compulsory physical training was introduced in the whole of the State. The State maintains the widely known rural and travelling libraries. The annual expenditure on education is about Rs. 41 lakhs. This city of Baroda is the capital of the State. The social reform acts and the great rural uplift organisation of Baroda State are widely renowned.

Ruler : H. H. the Maharaja Pratapsinha Gaekwad born on 29th of the month of June 1908, received his early education in the Rajkumar College, Rajkot, then, at Baroda College, Baroda and Deccan College, Poona, and lastly studied in England. He received training in all branches of the administration before his succession. In 1929 he married Srimant Soubhagyabati Shantadevi Sahab, daughter of Sardar Ghorpade Hasurkar of Kolhapur. His Highness attended the Round Table Conference, the Coronation of His Majesty King George VI, and the Imperial Conference with the late Maharaja. His Highness succeeded the *gaddi* on 7th February 1939.

Keen on the welfare of his subjects and sympathetic to the needs of the agricultural population, he immediately after his accession to the throne, ordered a permanent reduction of Rs. 22 lakhs in the land revenue, donated a crore of rupees to perpetuate the memory of his distinguished Grandfather, H. H. Sir Sayaji Rao for creating a trust for various purposes connected with the betterment of the people, raised the limit of minimum taxable income from Rs. 750 to 2,000 and granted a reformed constitution with a Popular Minister and with a clear majority of the elected members. He is a great sportsman and a great patron of arts and learning. The creation of a foundation a chair in Benares University for the studies of Indian culture is one of the many items that prove his abiding interest in cultural activities.

BENARES

Benares, an ancient Hindu kingdom, came under Moslem domination in the 12th century. The present State of Benares was founded in the eighteenth century by a Hindu Zaminder. After a series of swings of fortune Benares became a state in 1911. Ramnagar was added to the State in 1918. The British Government reserves control over post and telegraph offices, over European British subjects, and Government servants in the State, and over matters connected with excise and retains such other rights which were enjoyed by the Central Government prior to the transfer. The State has an area of 875 sq. miles and a population of 391,163 according to the census of 1931. The average annual revenue of the State is Rs. 19'88 lakhs. His Highness enjoys a permanent salute of 13 guns.

Ruler : His Highness Maharaja Bibhuti Narain Singh Bahadur, the adopted son of the late Maharaja, succeeded to the *gaddi* on 5th April 1939. His Highness being a minor, the State is at present administered by a Council of Administration.

BHARATPUR

Bharatpur State has an area of about 2,000 sq. miles and a population of 575,625 according to 1941 census. The average annual revenue is Rs. 31.57 lakhs. The rulers are Jats. The State belongs to the Eastern Rajputana Agency and the Ruler enjoys a permanent salute of 17 guns.

Ruler : The present ruler, H. H. Maharaja Sri Brajendra Sawai Brijendra Singh Bahadur, Bahadur Jang, (born December 1, 1918) succeeded to the throne on March 27, 1929, and was invested with ruling powers on Oct. 22, 1939.

BHAVNAGAR

Bhavnagar, one of the Kathiawar States, has an area of 2,961 sq. miles and a population of 618,429 according to 1941 census. The average annual revenue is Rs. 1,08,90,000. The rulers belong to the Gohel Rajputs, who settled here in the 13th century. British connection dates from the early nineteenth century. Administration is carried on with the help of a Dewan, a Naib Dewan, a judicial assistant and a personal assistant. Heads of different departments are independent of each other and are responsible only to the Dewan. The Judiciary is distinct from the Executive. The Ruler enjoys a permanent salute of 13 guns. Chief crops are grain, cotton, and sugarcane. Salt, oil, copper and brass vessels and cloth are chief manufactures. The State possesses a modern port and enjoys considerable foreign sea-borne trade.

Ruler : Lieut. H. H. Maharaja Sir Shri Krishna Kumarsinhji Bhavsinhji, K.C.S.I., the present Ruler, who was born on the 19th May 1912, succeeded to the *yaddi* in July 1919. The State was under a Council of Administration during his minority, which terminated on the 18th April 1931, when the Maharaja was invested with full powers. Maharaj Kumar Shri Virbhadrasinghji, the heir-apparent, was born on the 14th March 1932. The personal title of Maharaja, conferred on the late Maharaja, Sir Bhavsinhji, on the 1st Jan. 1909, was made hereditary on the 1st Jan. 1917.

BHOPAL

Bhopal, an important Central India State, and next to Hyderabad (Deccan), the most important Moslem State of India, has an area of 6,924 sq. miles, a population of 784,560 (1941 census), and an average annual revenue of Rs. 80 lakhs. The present Ruler is assisted in the administration by an Executive Council. There is also a Legislative Council. Cotton, wheat, cereals, sugarcane and tobacco are the chief crops. There are extensive forests owned by the State. Bhopal is rich in its deposits of iron, bauxite, mica and other valuable minerals. The State is rapidly growing in industry. The capital of the State is Bhopal. The Ruler enjoys a permanent salute of 19 guns outside and 21 inside the State.

Ruler : The present Ruler Col. H. H. Sikandar-Saulat, Iftikhar-ul-Mulk, Nawab Muhammad Hamidulla Khan Bahadur, G.C.S.I., G.C.I.E., C.V.O., B.A., was born on the 9th Sept. 1894. He received his early education at Bhopal and subsequently joined the M. A.-O. College, Aligarh. After taking his B. A. degree in 1915 from the Allahabad University, he studied law for a year. Previous to his accession H. H. had actively participated in the administration of the State for several years as Chief Secretary to his

mother, Her late Highness, and afterwards as Member for Finance and Law and Justice Departments. He married in 1905 Her Highness Mamoonah Sultan Shah Bano Begam Sahiba, the daughter of Shahzada Humayun, a great grandson of Shah Shuja of Kabul. His Highness has three daughters. In recognition of services rendered in connection with the Great War, the Nawab was made a C.S.I. in Jan. 1921, and on the 17th March 1922 he was made a C.V.O. on the occasion of H. R. H. The Prince of Wales's visit to India. He was gazetted an Honorary A. D. C. to the Viceroy on the 4th July 1922 and was made an Honorary Lieut.-Colonel in March 1927, and Colonel in 1939. He was made a G.C.I.E. in June 1929 and a G.C.S.I. in June 1932. As a Member of the Standing Committee of the Chamber of Princes, His Highness proceeded to England in 1928 to place certain matters before the Indian States Committee. He was a delegate to the First and Second Round Table Conferences, held in London in 1930 and 1931. His Highness was Chancellor of the Chamber of Princes during 1931-32 and Chancellor of the Aligarh Muslim University from 1930 to 1935. He has introduced a large number of useful reforms in the State.

BHUTAN

Bhutan runs along the foot of the Himalayas for a length of 190 miles east and west on the northern border of East Bengal and Assam. It has an area of 18,000 sq. miles and a population of 300,000, mostly Buddhists. The average annual revenue is Rs. 4'25 lakhs. Maize is the principal crop. There is no standing army deserving mention. In addition to the temporal chief, there was a spiritual chief, the Dharmaraja, whose re-incarnation in the royal family is believed to take place after a lapse of one or two years after death. The Tibet mission of 1904 was greatly assisted by the Ruler, who received a K.C.I.E. in return. The State's estimated trade with British India was Rs. 17'46 crores in 1938-39.

Ruler : The present Ruler, H. H. Maharaja Sri Sri Sri Sri Sir Jigme Wangchuk (born 1906), succeeded to the *galdri* in August 1926.

BIKANER

Bikaner State, the second largest of the Rajputana States and the sixth largest of all the Indian States, has an area of 23,317 sq. miles and a population of 12,92,938 according to the census of 1941. The Capital City is Bikaner which has a population of 1,27,226 and is the third largest city in Rajputana. The revenue of the State is Rs. 1,88,60,000 (Estimates 1942-43). The Reiguing Family of Bikaner belongs to the Rathore clan of Rajputs. The State was founded in the 15th century by Rao Bikaji, son of Rao Jodhaji, Ruler of Marwar. Akbar the Great invested the then Ruler, Rai Singhji, with the title of Rajah in, A. D. 1578. The title of Maharaja was conferred on Raja Anup Singhji by the Moghul Emperor Aurangzeb in 1687. A treaty of "Perpetual Friendship, Alliance and Unity of Interests" with the British Government, was concluded on the 9th March 1818. His Highness Maharaja-dhiraja Raj Rajeshwar Narendra Shiromani Maharajah Shri Sadul Singhji Bahadur, is the present Ruler of the State and is assisted in the administration of the State by a Prime Minister and an Executive Council. There is also a Legislative Assembly consisting of 51 Members with an elected majority. There is a State-owned Railway with a mileage of 888'05. Rainfall is low and fertility is poor. Irrigation was rare till 1927 when the

Gang Canal taking its waters from the Sutlej river was constructed. It is the longest lined Canal in the World and irrigates about 7,37,000 acres of land in the northern portion of the State.

Ruler : The present Ruler, H. H. Maharaja Shri Sir Sadul Singhji Bahadur was born on the 7th September 1902. Made an Honorary Captain in January 1921 and a C.V.O. in March 1924. A son and heir was born to His Highness on the 21st April 1924. His Highness ascended the *gaddi* in 1943.

COCHIN

Cochin has an area of 1,480 sq. miles and a population of 1,423,000 (1941). The Portuguese first settled here early in the sixteenth century and assisted the ruler in his war with the Zamorin of Calicut, but the influence of the Portuguese declined in the later part of the seventeenth century and the Dutch came in power and established friendly relations with the Raja. The influence of the Dutch declined in the later part of the eighteenth century and the State became a vassal of Hyder Ali and his son Tippu Sultan. On the fall of Tippu Sultan, it came under the suzerainty of the East India Company.

Rice is the principal crop. Cocoanuts are the chief exports. Forests abounding in teak, ebony, and black wood form most valuable assests. There is a small State army. Ernakulam is its capital. There is a State-owned railway and a steam tramway for forest development.

Situated on the south-west coast of India, Cochin is bound on the north by British Malabar and on the south by the Travancore State. On its east are the well-known Malaya Hills, while its western shores are washed by the waters of the Arabian Sea. Nearly a third of the State consists of forest tracts and lagoons or backwaters. The average density of population is 961 per sq. mile; and if only the habitable area is taken into account, the density works at about 1,645 per sq. mile. Cochin is thus one of the most densely peopled areas in the world. Of the total population, 63.4 per cent are Hindus.

The State possesses a first class and up-to-date harbour. The capital outlay on Cochin Harbour, State Railways, Stoneware works, etc., stood at Rs. 107,15,644. The value of the total assests of the State now exceeds Rs. 3 crores and 72 lakhs, whereas the total liabilities of the State in the shape of State loans and other funds are only Rs. 2 crores and 40 lakhs. The State is administered in the name of and under the control of the Maharaja. The Diwan is His Highness's chief executive officer. Certain departments of administration have been transferred to the charge of a Minister for Rural development, and His Highness has expressed his intention generally to act on the advice of the Minister in all subjects relating to the administration of these transferred subjects. Legislation in the State rests with the Legislative Council, but without prejudice to the right of the Maharaja to make laws. The Legislative Council, which was inaugurated in April 1925, is composed of fifty-eight members, of whom thirty-eight are elected. No measure passed by the Legislative Council can take effect in law unless it receives the Maharaja's assent. At the head of the judicial administration in the State is the High Court, to which all the district and munsiffs' courts are subordinate. The Government of Cochin Act, 1937 brought about momentous changes in the character and complexion of the legislature. The Act provided that an elected representative of the people would take his place as Leader of the House. The strength of the Council has been increased, since 1932, to 86 elected members

and 18 nominated members. The State had a revenue of Rs. 133 lakhs and an expenditure of 114 lakhs in 1941-42.

The total number of Government educational institutions in the State is 168 including the Maharaja's College at Ernakulam and two other colleges. Privately managed institutions numbered 515 of which 2 are colleges and 29 High Schools. The total number of pupils in all educational institutions in the State is 183,556 (105,289 boys and 78,267 girls). The State maintains 57 hospitals and dispensaries. There are six municipalities and 87 Panchayats in the State.

Ruler : Born 29th Vrischigam, 1039 M. E. His Highness Sri Kerala Varmah, Maharaja of Cochin ascended the throne on 13th April, 1941. His Highness enjoys a salute of 17 guns.

COOCH BEHAR

Cooch Behar is one of the two Bengal States under the Eastern States Agency. It has an area of 1,318 sq. miles, a population of 639,198, (1941) and an annual revenue of Rs. 89 lacs. The capital is also called Cooch Behar. In December 1936, the State was included in the Eastern States Agency, and is now in direct political relations with the Resident for the Eastern States. The ruling family belongs to the Kshatriya Varna caste. The hereditary titles of Maharaja and Bahadur were conferred on the Ruler of the State in 1864 and also the titles of His Highness and Bhup Bahadur, the latter being recognized as a family distinction. The first recipient of these appellations was Maharaja Nripendra Narayan, the grandfather of the present Ruler. The Maharaja enjoys a permanent salute of 18 guns.

The Rulers of Cooch Behar have been progressive in their outlook on administrative problems. The State possesses a first-grade college and a number of high and primary schools. In view of the general constitutional development in India as a whole His Highness the present Maharaja had been pleased to increase the number of non-official members of the Cooch Behar Legislative Council in order to insure a non-official majority. The State possesses its own railway.

Ruler : His Highness Maharaja Jagaddipendra Narayan Bhup Bahadur was born on 15th December 1915. His Highness succeeded to the *gaddi* on the 20th December 1922. Educated at Harrow and Trinity Hall, Cambridge. His Highness was invested with full ruling powers on 6th April 1936.

CUTCH

Cutch is the premier State in Western India States Agency, with an area of 8,249.5 square miles, exclusive of the Rann of Cutch, a population of 500,500 and with the annual revenue of Rs. 48 lacs. The capital of the State is Bhuj, and Kandla and Mandvi are the major ports. His Highness Maharaja Mirza Maharao Shree Vijayrajaji Sahab, Savai Bahadur is the ruler of the State, who enjoys a permanent salute of 17 guns and local salute of 19 guns. The administration of the State is carried on with the assistance of a State Council presided over by the Heir-apparent Maharaj Kumar Shree Madansinhji Sahab. The State has its own currency and is famous for its silver embroidery work.

Ruler : The present Ruler, H. H. Maharajadhiraj Mirza Maharao Shri Sir Khengarji, Savai Bahadur, born in 1866, succeeded to the *gaddi* on the

death of his father in 1876 and was invested with full powers in 1885. The same year he received the title of *Sawai Bahadur*. Made a G.C.I.E. in 1887, and a G.C.S.I. in June 1917. The hereditary title of *Maharao* was conferred upon him in 1918 in recognition of his services in the Great War of 1914-18. A personal salute of 19 guns was also granted to him in January 1921. His Highness attended the Imperial Conference in London in June and July 1921, as a representative of India and attended the Assembly of the League of Nations in 1921 in a similar capacity.

DHAR

Dhar is a Malwa Agency State in Central India. Its area is 1,800 sq. miles, population 233,430 according to the census of 1931, and has an average revenue of Rs. 17.5 lakhs. The Ruler of Dhar has full civil and criminal jurisdiction within his territories. He has a permanent salute of 15 guns.

Ruler : The present Maharaja H. H. Anand Rao Puar Sahib Bahadur, born in 1920, was adopted by the Dowager Maharani on the death of the late Maharaja. His Highness is still a minor and the administration is in the hands of a Council. His Highness has passed the Diploma Examination of the Daly College of Indore and undertook an educational tour to England and the Continent. He is now receiving administrative training in the State.

DHOLPUR

Dholpur, a State under the Eastern Rajputana States Agency, has an area of 1,173 sq. miles and a population of 254,986 and an average annual revenue of Rs. 15.5 lakhs. The rulers belong to the Deswali tribe of Jats. In 1803 under a treaty with the British Government, Gohad, where the ancestors of the present rulers had formerly established themselves in 1449, was restored to the present ruling family. But in 1905, the territory was exchanged for the Parganas of Dholpur, Bari and Rajkhera which now form the existing State of Dholpur.

Ruler : The present Ruler, Lt.-Col. H. H. Rais-ad-Daula Sipahdar-ul-Mulk Maharajadhiraja Sri Sawai Maharaj-Rana Sir Udaibhan Singh Lokindar Bahadur Diler Jung Jai Deo, Maharaj Rana, born 25th Feb. 1898, succeeded to the *gaddi* on 29th March 1911 and was invested with full ruling powers on the 9th October, 1918. His Highness was married to the daughter of Sardar Badrukan Jain. Created a K.C.S.I. on the 1st of Jan. 1918, a K.C.V.O. on the 17th March 1922 and a G.C.I.E. in 1931. A personal salute of 17 guns and the honorary rank of Major were conferred on His Highness on the 1st Jan. 1921. Promoted Lt.-Col. in October 1921.

FARIDKOT

Faridkot is one of the Punjab States, having an area of 638 sq. miles, a population of 164,864, according to the census of 1931, and an average annual revenue of Rs. 17 lakhs. The Rajahs of this State are sprung from the same stock as the Phulkian Chiefs. The ruling house was founded in the middle of the 17th century. The Ruler of the State enjoys a permanent salute of 11 guns. A *Sanad* conferring the power of capital sentence was granted on the Ruler in 1922, and took effect when the present Ruler was invested with ruling powers.

Ruler : The present Ruler, Lieut. H. H. Farzand-i-Sa'adat Nishan-i-Hazrat-i-Kaisar-i-Hind Barar Baus Raja Harindar Singh Bahadur, born 29th January 1915, succeeded to the *gaddi* on the 23rd December 1918. During His Highness's minority the administration was vested first in a Regency Council. The minor Raja visited England in 1923. His Highness was educated at the Aitchison College, Lahore, and then commenced his administrative training in the State. In Feb. 1933 His Highness married the daughter of Sardar Bahadur Sardar Bhagawant Singh, a *rans* of Bhareli, Ambala district. From July to December 1933, His Highness underwent military training at Poona with the Royal Deccan Horse, and in the summer of 1934 in Simla under the Deputy Commissioner. His Highness holds the rank of Lieutenant in the Army, and was attached to the 1st. Battalion, 11th Sikh Regiment in Waziristan for a short period in August 1937. A son and heir was born to His Highness on 22nd October, 1937.

GONDAL

A progressive Kathiawar State, Gondal has an area of 1,024 sq. miles, and a population of 205,846 and an average annual revenue of Rs. 50 lakhs. The State pays a tribute of Rs. 1,10,720 to the British Crown. Chief crops are grain, cotton and ground-nut and chief manufactures are linen, woollen and gold embroidery. There are no export or import duties in the State and primary education is free. Large sums have been spent by the State on irrigation and electrification. The State was a pioneer in introducing railway in Kathiawar. The Medical Department of the State is in the charge of Maharaj Kumar Bhupat Singhji, M.R.C.S., L.R.C.P., D.T.M., M.B., B.Ch. The capital of the State is Gondal, a fortified town.

Ruler : H. H. Maharaja Thakor Saheb Shree Bhagvat Singhji, G.C.S.I., G.C.I.E. is a highly cultured prince. He is an M.D., LL.D., F.R.C.P., and F.R.S. (Edin.), D.C.L. (Oxford), M.R.I. (Great Britain), F.C.P.S. (Bombay) and a Fellow of the University of Bombay. Himself a scholar and author, he takes great interest in education and has built a large college on the boarding school system. He has established the first girls' high school in Kathiawar and has been first in India to introduce compulsory education for girls. He was the first to establish a travelling dispensary and an asylum for the maintenance of those who are physically unable to earn their living. His Highness is a pioneer in social reform having abolished the old Purdah system, the first educationist Prince to introduce National Gujarati Reading Series and recipient of the Ayurvedic Medical Diploma of *Pranacharya*. He has during his *regime* abolished 50 taxes including customs and octroi duties. He has also made all education, primary and secondary, free.

GWALIOR

Gwalior, a Central Indian State, west of U. P., has an area of 26,367 sq. miles and a population of 3,992,000 (1941 census). The average annual revenue is Rs. 2,62 lakhs. The Ruling House of Scindia was founded by Ranaji Scindia, a military officer under Chhatrapati Shahu whose military exploits in Delhi in 1736 earned him distinction. The treaty of Salbain in 1782 terminated hostilities between the British Government and Madhoji Scindia, the then ruling prince, whose sovereignty was recognized by the British. The succeeding chiefs were Daulat Rao (1794-1827), Jankoji Rao

(1887-1848), Jayaji Rao (1843-1886), and Madho Rao (1886-1925). The present Ruler, Jivaji Rao, ascended the throne on 5th June 1925, as a minor. A Council of Regency administered the State during his minority. Jivaji Rao attained majority in 1936 and assumed full ruling powers.

H. II. the Maharaja is the administrative head, and is assisted by a Council of eight Ministers and the Huzoor Secretary. Constitutional changes towards improvement were introduced in 1937. There is a Legislative Assembly consisting of nominated and elected members. The State Legislature consists of two houses, *Praja Sabha* (Lower House) and *Samant Sabha* (Upper House). Election is direct and freedom of speech is guaranteed. The State has its own army and postal system. A number of high schools, two colleges for boys and one for girls and also a school reserved for sons of nobles and aristocrats are maintained by the State.

Cotton mills, leather factory, tannery, pottery works and electric power houses are several of the State's industrial achievements. It has its own light railway. Rural reconstruction, proposal for a well-equipped female hospital, the Harsi reservoir, road construction, seaplane base at Madhab Sagar and an aerodrome at Maharajpur mark the progress made during recent years. The State has good motor roads.

Ruler : H. II. Maharaj Mukhtar-ul-Mulk, Azim-ul-Iqtidar, Rafi-ush-Shan, Wala Shikoh, Mohta-sham-i-Dauran, Umdat-ul-Umra, Maharajadhiraj, Alijah Hisam-us-Saltanat, George Jivaji Rao Scindia, Bahadur, Srinath, Mansur-i-Zaman, Fidwi-i-Hazrat-i-Malik-i-Muazzam-i-Rafi-ud-Darjat-i-Inglistan, (born 1916 and educated at Gwalior) ascended the *gaddi* in 1925. His Highness has received military training and is an Associate Knight of the Order of St. John of Jerusalem. His Highness is a progressive ruler, and under the leadership of His Highness the State is advancing in all directions. His Highness is a big game hunter and a fine tennis-player. His Highness enjoys a salute of 21 guns. His Highness has placed all the resources of his State at the service of His Majesty in the present war.

HYDERABAD & BERAR

The State of Hyderabad and Berar, the largest Indian State, is bounded on the north-east by the Central Provinces, on the south-east by Madras Presidency and on the west by Bombay Presidency. It has an area of 100,465 sq. miles, a population of 16,184,000 (1941), and an average annual revenue of Rs. 96 crores.* By the treaty of 1857, the administration of Berar was retained under the C. P. Government, which undertook to pay an annual rent of Rs. 31 lakhs to the Nizam. The sovereignty of the Nizam in Berar and his right to hold durbars and confer titles were, however, fully recognized.

His Exalted Highness the Nizam of Hyderabad is the supreme authority, so far as internal administration is concerned. He is assisted by an Executive Council of seven members. There is a Legislative Council consisting of 20 members, 12 official, 6 non-official, and 2 extraordinary. The State is divided, for purposes of administration, into 2 divisions, 15 districts and 153 taluks. The State maintains an army of 18,076, including 7,787 regulars. It has its own postal service and its own gold, silver and paper currency. The Hyderabad rupee, Osmania sicca as it is called here, corresponds to '857

* In Hyderabad sicca rupees.

British Indian rupee. The revenue of the State, in its own currency, approximates Rs. 9 crores annually, derived from land (Rs. 8 crores), excise (Rs. 1.75 crores), customs (5% on all exports and imports—Rs. 1 crore), investments (Rs. 32 crores), railways (Rs. 1.22 crores) and Berar rent (Rs. 31 crores). A total reserve of Rs. 12 crores (sicca) has been built up from annual surplus revenue, under different heads.

There are 5,131 educational institutions, exclusive of colleges. The Osmania University, established in 1918, has 1,888 students and incurs an annual expenditure of Rs. 19½ lakhs (sicca). The subjects taught include arts, science, law, Muslim theology, medicine, engineering, and teacher's training, the medium of instruction being Urdu. The Nizam College is affiliated to the Madras University and uses English as the medium of instruction. There are 693 miles of broad gauge and 674 miles of metre gauge railways. The Railway Department has undertaken motor bus service in the city and suburbs. It is also in charge of aviation. There is an aero-club for training pilots and constructing aerodromes. Of the population 57% depend on agriculture. Of the total area 55% is under State administration, the rest being the personal estates of the Nizam, the *Saqirdars* and *Pargah* nobles. The chief crops are millets and rice. Gaorani cotton is an important agricultural product. There are 6 large cotton mills, besides local handloom industries, which supply almost half the total demand of the State. There are also good coal mines. There are tanneries, flour mills, a cement company with an output of 154,800 tons per annum, and a large sugar factory with productive capacity of 1,000 tons per day.

Ruler: His Exalted Highness Rustom-i-Dawran, Arastu-i-Zaman, Lieut.-Gen. Muzaffar-ul-Mulk wal-Mamalik, Nawab Sir Mir Osman Ali Khan Bahadur, Fateh Jung Sipah Salar, Faithful Ally of the British Government, Nizamuddoula Nizam-ul-Mulk Asaf Jah, G.B.E., G.C.S.I., (b. 1886, educated privately) succeeded to the throne in 1911. His Exalted Highness is the premier ruling chief in India. It is the only State, which runs its paper currency. His Exalted Highness has subscribed most handsomely to the war funds and paid for an air squadron, which is rendering great service. His Exalted Highness's charities are considerable and are not limited to any caste or creed. He has in his service some of the best brains in India. His Exalted Highness enjoys a salute of 21 guns. The Nizam is considered as one of the richest men in the world.

IDAR

Idar, one of the Western India States, has an area of 1,669 sq. miles, a population of 262,660, and an average annual revenue of Rs. 21 lakhs. The ruling family belongs to the illustrious Rathor family. The State enjoys plenary powers. The capital is Himatnagar. The Ruler enjoys a salute of 15 guns.

Ruler: H. H. Maharajadhiraj Sri Himat Singhji Dowlat Singhji (born 1899) was educated at Ajmer and succeeded to the *gaddi* on 11th July 1931. As President of the State Council His Highness introduced many welcome reforms calculated to advance the moral and material progress of his subjects. He is a good horseman, a fine shot, and a musician, and maintains a racing stable.

INDORE

Indore has an area of 9,934.18 sq. miles and a population of 15,18,966. The normal annual revenue is Rs. 1.35 crores.

The administration of the State is carried on by the Ruler assisted by a State Cabinet of which he is also the President since the abolition of the post of the Prime Minister in April, 1942. Recent advances in social and political reforms include a State Savings bank, Uplift of the *Harijans*, Life Insurance schemes, Compulsory primary education, expansion of rural education, water supply and drainage scheme for Indore City, fixing minimum marriage ages for boys at 18 and for girls at 14, passing of *Nikah* Act and marriage Expenses Controlling Act and a Legislative Council of 53 members (37 elected and 16 nominated with special seats for *Harijans* and Labour). There is an annual generous gift of a lakh of rupees for rural uplift work in the State and another lakh for housing of the poor from His Highness's Privy Purse. Rural uplift work through special centres is being carried on and three *Harijan* colonies to accommodate 225 families of the *Harijans* have been constructed in Indore city at a cost of over Rs. 1,75,000/-. There are two first grade colleges, 10 high schools, 1 Sanskrit College and 750 middle and primary schools and 74 government medical institutions. Twenty new primary schools are added every year. There is an institute of Plant industry for improvement of cotton. The State has a spinning and weaving mills.

There is a standing army of 8 battalions of infantry, one squadron of cavalry and 2 Troops of Mule Transport. There is the State-owned Railway. The State possesses 708 miles of roads besides trunk roads.

Ruler : H. H. Maharajadhiraja Raj Rajeswar Sawai Sri Yeshwant Rao Holkar Bahadur, (b. 1908, educated in England) ascended the *gaddi* in 1926; married a daughter of the Chief of Kagal Junior and on her death, an English lady in 1938. His Highness is a good shikari and tennis-player. In 1932 His Highness was appointed a member of the Second Round Table Conference, and was made a G.C.I.E. in 1935. Next year His Highness inaugurated a Legislative Council with wide franchise representing diverse interests. At the outbreak of the present war, His Highness placed the entire resources of his State, the services of his troops and his personal services at the disposal of His Majesty the King-Emperor and placed a sum of Rs. 5 lakhs at the disposal of the Viceroy and made a donation of £1,000 to the British Red Cross Fund. His Highness also inaugurated numerous public activities for helping War efforts.

JAIPUR

Jaipur, the fourth largest Indian State in Rajputana, has an area of 16,682 sq. miles and a population of 30,40,000. The average annual revenue is Rs. 1.50 lakhs. Mythologically Jaipur is identified with the kingdom of Birat in the Mahabharata. The history of the Ruling House dates back to the 9th century A. D. In population, wealth and general advancement, Jaipur is well to the fore among the Rajputana States. The Public Works Department has many important works to its credit. A large water works scheme for Jaipur city was completed in 1931. As during the war of 1914-18, the Ruler of the State has offered his personal services and all the resources of the State to the Crown on the outbreak of the present war. The Ruler enjoys a permanent salute of 17 and a local salute of 19 guns.

Ruler : Major H. H. Sarmand-i-Rajaba-i-Hindustan Raj Rajindra Sri Maharajadhiraja Sawai Sir Man Singhji Bahadur, G.C.I.E., succeeded to the *gaddi* on 7th September 1922. Born on 21st August, 1911, His Highness is the second son of the Thakur of Isarda and was adopted on the 24th March 1921 by the late Ruler. On the 30th of January 1924, His Highness married the sister of H. H. the present Maharaja of Jodhpur. Educated at Mayo College, Ajmer, His Highness underwent training at Royal Military Academy, Woolwich. In 1930, on his return to India, His Highness was invested with full ruling powers. Appointed Honorary Lieutenant in King George's own Bengal Sappers and Miners in May 1931, His Highness was promoted to the rank of Honorary Captain on 1st January 1934, and was created a G.C.I.E. on 3rd June, 1935. He visited Europe in 1933, 1935, 1936 and 1937. His Highness married, for the second time, the daughter of His late Highness Maharaja Sumer Singh Bahadur of Jodhpur on April 24, 1932. His Highness is entitled to a permanent salute of 17 guns and a local salute of 19 guns and is a hereditary member of the Benares Hindu University.

JAMMU AND KASHMIR

Jammu and Kashmir is the northermost Indian State with an area of 84,471 sq. m. and a population of 3,945,000 (1941). Its average annual revenue is Rs. 2.56 lakhs. The State, formerly a part of the Moghul empire, became independent of Delhi in the middle of the 18th century. British connection with the State dates from the Sikh War when Gulab Singhji did great service to the British. As a reward he was granted the *masnad* of Kashmir and some other districts. Chief crops of the State are rice, maize, wheat, oil-seeds, barley, cotton, tobacco, saffron, walnut, almonds, beans, hops, pears and apples. There are extensive forests rich in timber. Vast mineral resources such as coal, bauxite, Fuller's earth, zinc, copper, slate, kaolin, lead, gold, sapphires, etc. are also to be found. Silk filature industry is the most important. Woollen shawls, carpets, and wood carving are important industries of the State and are famous all over the world. Advances in public work include telephone, electric power station, construction of an aerodrome, a flood spill channel and canals, irrigation canals, a bridge over the Chenab, which has the longest unsupported span in India. The Jammu-Suchetgarh Railway, a branch of the N.-W. Railway is the only railway in the State. There are in all 1,492 educational institutions including two arts colleges. Education for boys has been made compulsory in municipal areas since 1929. Recent reforms include a High Court of judicature and a board of judicial advisers with an advocate-general for advising the Ruler in civil and criminal appeals, the raising of the marriageable age for girls to 14 and of boys to 18, Agricultural Relief Regulation, freedom of Press, and introduction of the State Assembly. Further reforms ensuring an elected majority (40 in a House of 75) in the *Praja Sabha*, appointment of four non-official members as Under-Secretaries of the Ministers and the power of voting of grants on votable items have been introduced in 1939. Srinagar is the capital and has a Visitors' Bureau for the convenience of tourists, attracted by the beauty spots of the State. Kashmir is one of the world famous tourists' resorts and attracts visitors from all parts of India and the world.

Ruler : Major-General H. H. Maharaja Sir Hari Singh Bahadur, nephew of the late Maharaja, was born in September 1895 and succeeded to *gaddi* on 23rd Sept. 1925, on the death of the late Maharaja. His High-

ness was made an Honorary Captain and appointed K.C.I.E. in 1918, K.C.V.O. in 1922, G.C.I.E. in 1929, G.C.S.I. in 1938 and was gazetted a Colonel in the British Army in 1926 appointed A.D.C. to His Imperial Majesty the King-Emperor in 1931, and Major-General in 1935. A son and heir was born to the Maharaja on the 9th March 1931.

JODHPUR (MARWAR)

RAJPUTANA

Jodhpur is one of the premier States of India and the largest in Rajputana in respect of area and revenue and the first State in Rajputana for Administrative efficiency. The ruler is Air Commodore His Highness Raj Rajeshwar Sarmad Raja-i-Hind Maharajadhiraj Shri Sir Umed Singhji Sahib Bahadur, G.C.S.I., G.C.I.E., K.C.V.O., A.D.C., LL.D., head of the Rathore clan of the Rajputs. The area of the State is 36,071 sq. miles and population is 25,55,904. The average revenue is nearly 2'8 crores. The State extends from the Arravali Hills in the east to the Rann of Cutch in the west. The soil, climate and rainfall vary greatly and the area adjoining Indian desert, the Thar. Rainfall is very scanty and precarious except in the Arravali region. The population is mainly supported by agriculture and pasture. The State produces large stock of grains and cereals. The cattle census of the State gives the figure of 2,300,000. The quality of Jodhpur Nagauri bullocks is excellent. The Kankraj and Tharpakar cows are well-known as heavy milkers. Jodhpur exports wool (80,000 mds.), cotton (65,000 mds.), hides and skins (13,000 mds.), bones (66,000 mds.), oil-seeds (16,000 mds.) and ghee (15,000 mds.).

Jodhpur has its own railway system covering over 1,125 miles; and also a modern railway workshop fitted with up-to-date machinery and equipment. One very big cotton ginning mill and pressing, spinning and weaving mill has recently been established in Pali near Jodhpur. There are electric generating plants and workshops. There are several wool and cotton press, about fifty cotton ginning or pressing factories, about 40 flour mills and about half-a-dozen oil mills. The cottage industry products consist of handloom blankets, woolen namdas for horses and camels, metal hollow-ware bottles for drinking water (Indian pattern), frying pans, tripods, cooking utensils, brass and iron, cutlery, saddlery and camel corps equipment, special lacquerware, embroidered shoes, coloured scarfs and silks, dyed and processed. Marwar is pretty rich in mineral wealth, having mines which yield goodly quantities of wolfram, bentonite, gypsum, salt, saltpetre, mica, beryl, marble, felspar (out of which the famous Tajmahal was built), Fuller's earth, lime, kankar, lime-stone and building stone. Jodhpur has large forest areas too; the principal products being timber, fuel, grass (about 5 lakh mds. annually), bamboo, honey-wax, anwal (*Cassia Avericulata*), and charcoal.

His Highness the Maharaja is the administrative head and is assisted by a Council of 6 Ministers. Representative Advisory Assembly with an elected majority and elected Municipal Board for Jodhpur are recent advances towards the democratization of the State.

The Civil list allotment is less than 7% or Rs. 19,94,000. There is a school in every Khalsa village of 2,000 inhabitants and the expenditure on education is 11,77,000 rupees while that on medicine is nearly 9 lakhs. Departments of Animal Husbandry, Agriculture, Cooperative Marketing, Industries and Mines,

Economic Development, Aurvedic Board and Village panchayets have been established for the welfare and economic prosperity of the people.

Ruler : Air Commodore His Highness Raj Rajeshwar Sarmand Raja-i-Hind Maharajadhiraja Sri Sir Umaid Singhji Sahib Bahadur, G.C.S.I., G.C.I.E., K.C.V.O., LL.D., son of Maharaja Sir Sardar Singhji Sahib, was born on 8th July, 1903 and educated at the Mayo College, Ajmer. His Highness succeeded his elder brother in 1918 and was invested with full ruling powers in 1923. His Highness married the daughter of Rao Bahadur Thakur Jey Singhji Bhati of Umednagar in 1921 and has five sons and one daughter. The Maharaja is the recipient of the following : K. C. V. O. 1922, Hon. Lt.-Colonel 1933, K.C.S.I. 1925, G.C.I.E. 1930, G.C.S.I. 1936, Hon. Colonel 1936, Hon. A.D.C. to the King-Emperor 1937, Air Commodore 1939, and Hon. LL.D. (Benares Hindu University, 1939) His Highness visited England in 1925, 1928, 1932 and 1937, the European continent in 1932, and East Africa in 1933 and 1935. His Highness takes a keen interest in the administration of the State and has carried out a number of reforms in the administration and has provided various works of public utility and development.

JUNAGADH

Junagadh, a maritime State in Kathiawar, has an area of 3,937 sq. miles and a population of 545,150, and an average annual revenue of Rs. 77 lakhs. The principal crops are cotton, *bajra*, *jowar*, wheat, rice, cereals, tobacco, coconuts, and sugarcane. Molasses, sugar candy, brassware, embroidery, pottery, hardware, leather, dyeing, etc. are the principal industries. Stone, timbers and bamboos are other products. There is a State army with a sanctioned strength of 292. Administration is carried on with the help of a State Council. The capital is Junagadh, a very ancient and beautiful town with relics of antiquity dating as far back as the Buddhistic era of Emperor Asoka. There are fine modern buildings too. Extensive forests rich in timbers and other natural produces form valuable assests of the State.

Ruler : Major. H. H. Sir Mahabat Khan Rasul Khanji III, G.C.I.E., K.C.S.I., Nawab Saheb, (b. 1900, educated at Ajmer and in England) ascended the *gaddi* in 1911. His Highness is a scion of the Yusufzai Pathan clan and is progressive in his administrative outlook, and the State has prospered during his rule.

KALAT

Kalat is the most prominent State under the Baluchistan Agency. The State has an area of 54,700 sq. miles and a population of 318,700 (1931 census), mostly Sunni Mohammedans. Its annual revenue is Rs. 15.2 lakhs. The Ruler is the Khan of Kalat, under whom there are several partially independent chiefs. The Khan is assisted in the administration by a *Wasir-i-Ajam*. The Khan's sovereignty is recognized by the British Government by the treaty of 1876, the Khan agreeing to act in subordinate co-operation. Quetta, Nushki and Nasirabad have been permanently leased out to the British Government, which also exercises jurisdiction over railways and the Bolan pass and has constructed the Indo-European Telegraph Line, through the Khan's territories.

Ruler : Major H. H. Beglar Begi Mir Sir Ahmad Yar Khan of Kalat, was born in 1904 and succeeded to the *gaddi* in Sept. 1933. He was created G.C.I.E.

in 1986. His Highness has two sons, the elder, Prince Mohd. Daudjan being born in Sept. 1940. The Khan has three brothers.

KAPURTHALA

Kapurthala consists of 3 scattered pieces of territories in the Jullundur Doab in the Punjab. The rulers are Rajputs. The State has an area of 652 sq. miles and a population of 316,757 (1931 census), and an average annual revenue of Rs. 40 lakhs. Chief crops are wheat, maize, gram, cotton and sugarcane. Dyeing is a famous industry in Sultanpur, while sugar factory, manufacture of agricultural implements and household interests, etc. are the chief industries of the State. Phagwara is the chief commercial town in the State. The State has an army of 2,000. Primary education is free. The State has a Legislative Assembly and a State Council. The capital is Kapurthala, which contains the Maharaja's palace and many important public buildings. The city has been electrified and has modern waterworks.

Ruler : H. H. Colonel Farzand-i-Dilband Rasikh-ul-I'tiqad Daulat-i-Inglishia Raja-i-Rajagan Maharaja Sir Jagatjit Singh, Bahadur, G.C.I.E., G.C.S.I., G.B.E., (born in 1872, and educated privately) is one of the chief Sikh ruling chiefs in India. His Highness was thrice delegate to the League of Nations, Geneva. He holds a large number of foreign decorations and rendered great services to the Crown during the last Great War. His Highness celebrated his Diamond Jubilee in Nov. 1937. He enjoys a salute of 15 guns, and has placed all the resources of his State at the disposal of the Crown in the present war.

KASHMIR & JAMMU (See Jammu and Kashmir p. 210).

KHAIRPUR

A Muslim State in upper Sind with an area of 6,050 sq. miles and a population of 305,787. Khairpur has an average annual revenue of Rs. 27 lakhs. Chief crops are grain and cotton. Chief industrial products are ghee, hide, tobacco, Fuller's earth, soda carb, wool linen, silk and woollen manufactures, carpets, and pottery. Agriculture is the principal occupation. The rulers are Muslims belonging to the Shia sect and enjoy a salute of 17 guns inside and 15 guns outside the State. Administration is carried on with the help of a Minister.

Ruler : H. H. Mir Faiz Muhammad Khan Talpur (born in 1918 and educated at Ajmer) ascended the *gaddi* in 1935. The Ruler is a scion of Talpur Balochi family. The State was founded in the later part of 18th century. The Ruler is progressive.

KOLHAPUR

A Southern Indian State in the Deccan States Agency, Kolhapur has an area of 3,217 sq. miles and a population of 1,092,046. The average annual revenue is Rs. 50 lakhs. The ruling house is believed to be descended from Sivaji, the founder of the Maharashtra empire. There are 9 feudatory Jagirs under the State. The treaty of 1872 guarantees protection by the British against foreign aggression. The chief crops are rice, *jwar*, sugarcane and tobacco. Principal manufactures are coarse cotton and woollen goods, sugar, hardware and pottery. The capital is Kolhapur City, a sacred city of the Hindus, called the Southern Benares. The city contains famous temples, hill forts and industrial and educational institutions.

Ruler : H. H. Shri Shivaji VI the present Maharaja of Kolhapur was born on 22nd November 1941 and adopted on 18th November 1942 as son of the late Maharaja. Shri Shivaji VI comes from the Chavrekar branch of the family of Shivaji the Great.

MANIPUR

A hilly State in Assam, with an area of 8,633 sq. miles and a population of 445,606 (58% Hindu and 35% animist), Manipur enjoys an average annual revenue of Rs. 9,62,000. The State made a treaty of alliance with the British in 1762. Its independence was declared in 1862 after the first Burmese War. In 1891 the British intervened to place Kulachandradhaja Singh on the throne as Maharaja and this led to the murder of the Chief Commissioner and other officials. The State was declared forfeited, but as an act of mercy was restored to the present Ruler. Rice is the principal crop. Extensive forests cover the mountains. Administration is carried on with the help of a Durbar consisting of a President and six members. About 80% of the area of the State is hilly and the only town is the capital of the State, Imphal.

The State's annual tribute to the British Government is Rs. 50,000. This sum had been temporarily reduced to Rs. 5,000 for 10 years after the Kuki Rebellion of 1917-19, but the full tribute was reimposed with effect from 1939-40.

The present Ruler's administration has been marked by many important reforms. In 1913 waterworks were completed for Imphal. The police and Judicial Departments have also been re-organized. In 1910 a Veterinary Department was instituted. A hydro-electric scheme for Imphal was completed in 1930. Manipuris are being educated outside the State, with State assistance. The revenue of the State collected in the year 1938-39 was Rs. 11,63,915, of which Rs. 5,49,952 was land revenue.

Ruler : H. H. Maharaja Budha Chandra Singh, born 1908, and educated at Rajkumar College, Raipur, succeeded to the *gaddi* on November 6, 1941 on the death of his father.

MAYURBHANJ

[Area : 4,223 sq. miles. Population : 9,90,977 according to the census of 1941. Income : Rs. 34 lakhs. Expenditure : 30 lakhs].

Mayurbhanj lies between 21°17' and 22°34' north latitude and between 85°40' and 87°10' east longitude and is grouped in the Bengal States of the Eastern States Agency. Baripada is the capital of the State. Mayurbhanj is a very ancient State. The rulers are the head of the Bhanja Vansi Kshatriyas of Orissa and claim to belong to the Solar line. The State first came into contact with the British in 1761, when the East India Company took possession of Midnapur and the Ruler of Mayurbhanj opened friendly negotiations with them. For services in connexion with the Great War of 1914-18, the late Maharaja was granted a permanent salute of 9 guns.

The chief exports of the State are iron ore, lac, timber, charcoal and other minor forest produce, *tussore* textiles, paddy, rice, hide and other raw materials. The chief imports are manufactured goods and articles. The State is mainly an agricultural country, and as such, measures for extension of irrigation facilities receive special attention of the State authorities.

The State follows a steadily progressive policy in the matter of education. Primary education is imparted free. Schools are increasing from year to year and greater encouragement is being given to private schools. The State spends nearly two lakhs of rupees annually for the education of the people and awards liberal scholarships to deserving students for various branches of technical and vocational education. Literacy campaign forms an important programme of the State.

Installation of electricity and waterworks at the capital, telephonic communication all over the State, construction and remodelling of administrative buildings, reorganization of the High Court, establishment of the State Secretariat, improvement of the Press and publication of the State Gazette, two quarterly literary magazines, codification of laws of the State, opening of the Mayurbhanj State Bank, inauguration of systematic geological and botanical surveys, opening of Development and Aviation departments, introduction of literacy measures, anti-leprosy campaign, etc., mark the progressive reign of the present Ruler. The Maharaja is the supreme authority of the State and the administration is carried on by the Dewan under his control. The administrative machinery is modelled generally on British Indian lines. For administration of justice there is a full-powered High Court which is independent of any executive control. With the intention of bringing the people into closer touch with the administration, the Maharaja has established 5 Praja Sabhas. These representative assemblies enable the members to focus local opinion on all matters of general welfare and as such are advisory bodies.

Ruler : H. H. Maharaja Sir Pratap Chandra Bhanj Deo, K.C.I.E. (born Feb. 18, 1901) educated at Mayo College, Ajmer, and Muir Central College, Allahabad. Married on the 25th November, 1925, the daughter of Maharaj Knmar Sardar Singhji and grand-daughter of Late Rajadhiraj Sir Nahar Singhji, K.C.I.E. of Shahpura in Rajputana. Visited Europe in 1924, 1926 and 1936. Succeeded to the *qaddi* on 23rd April, 1928. On 1st Jan. 1935, was created a K.C.I.E. The Maharaja is a member of the Chamber of Princes in his own right. He is a great lover of art and architecture and is keen on aviation. The Maharaja has two sons born in 1929 and 1931 respectively and one daughter born in 1935. The title of Maharaja was conferred upon the then Ruler as a personal distinction in 1903 and made hereditary in 1910.

MORVI

It is a State in Kathiawar under the Western India States Agency. The total area of the State is about 1,072 sq. miles. The State has a district in Cutch, about 50• sq. miles in area. In 1941 the State had a population of 141,817. The annual gross revenue of the State is Rs. 60 lakhs. The State has a permanent salute of 11 guns.

Morvi State Railway, 133 miles in length, is owned by the State. Besides, there are 63 miles of State tramway. The State has its own postal system. In about over 60% of the villages there are post-offices and over 40% of the villages are directly connected with the capital by telephone. The principal industries of the State are Cotton Pressing and Ginning Factories, the Parshuram Pottery Work Ltd., the Morvi Salt Works, Railway Workshops, Electrical Power House, the New Lukhdhirji Spinning and Weaving Mills, Shree Mahendrasinhji Glass Works, the Mayur Metal Works, the

Bone Factory, the Morvi Match Works, the Hardware and Fittings Manufacturing Factory, the Kathiawar Paint Works, the Oil Mill, and the Morvi Tin Factory. Primary and secondary education is free throughout the State. The Morvi Technical Institute was opened in July 1940.

Ruler : H. H. Maharaja Shree Lukhdhirji Bahadur, G.B.E., K.C.S.I., LL. D., Maharaja of Morvi. Born : 1876. Ascended the *gaddi* : 1922. Educated privately in India and England.

MYSORE

With an area of 29,326 square miles and a population of 7,828,896 (1941) Mysore is famous for its picturesque and diversified scenery and for its temperate and healthy climate. The administration is carried on under His Highness the Maharaja by the Dewan (Prime Minister) and four Ministers of whom two are chosen by His Highness the Maharaja from among the elected members of the Representative Assembly and the Legislative Council. There is a Representative Assembly of 320 members and a Legislative Council of 66 members. The Crown Representative is represented by a Resident at Bangalore. In 1941-42 there were besides the High Court, 72 Criminal and 45 Civil Courts, including six Courts of Justice of the Peace. There were 1,959 co-operative societies with 1,43,370 members. In 1941-42 the University of Mysore had ten constituent colleges, an Engineering School and a Medical School with a total strength of 5,293 students. The number of recognised educational institutions on 1st March 1942 was 7,452 with 370,043 scholars. The total revenue in 1941-42 was Rs. 5,16.79 lakhs and the expenditure chargeable to revenue was Rs. 5,15.09 lakhs. The State Forests cover 4,884 sq. miles. The Mines in the Kolar Gold Field area produced 285,833 ounces of fine gold in 1941-42.

Pradhanashiromani Mr. N. Madhava Rau, B.A., B.L., C.I.E. is the present Dewan (Prime Minister) of the State.

Mysore, in common with the other parts of the British Commonwealth, has been steadily helping to prosecute the war against the aggressor nations that comprise the Axis. The collection to the Mysore War Fund, including the generous contributions of the Ruler have aggregated Rs. 24 lakhs. Mysore's military forces have been serving abroad with distinction and the State is actively co-operating with the Indian Defence Department in regard to recruitment of candidates for emergency commissions in the State's Forces Units. The Government have also granted various concessions to people who are actively engaged in the War. All the industrial concerns under Government management have been harnessed to the War effort. The Government Electric Factory, the Mysore Porcelain Factory, the Silk Factory, the Dichromate Factory, the Mysore Iron and Steel Works, the Mysore Chemicals and Fertilizers and the Industrial and Testing Laboratory manufacturing pharmaceuticals, have all been successfully manufacturing supplies for war and are increasing their scope in their effort to redouble their output. Private industry and enterprise have also been harnessed to a great extent in order to supplement the Government's war drive. The several textile mills have been supplying a major portion of their products to the Government of India for Army clothing and equipment and the Industries and Commerce Department supplies army blankets, cocoanut shell charcoal and shell and horn buttons. At the instance of the Government of India, the State Government have taken up the scheme of training war technicians.

This State was one of the earliest to start the National War Front campaign and to set up an organization that has extended from the Cities and District Headquarters to taluks, hoblis and small villages. The movement has drawn to the ranks of its active workers a large number of public spirited and influential non-official gentlemen from all parts of the State; and a vigorous and intensive propaganda is carried on with a considerable measure of success. Co-ordination with the agencies concerned with civil defence is also attempted.

Ruler : His Highness Sri Jaya Chamaraja Wadiyar, Maharaja of Mysore, born 18th July 1919, succeeded the throne in August 1940. Invested with full ruling powers in 1940. Studied in the Maharaja's College, Mysore, and passed the B. A. degree examination of the Mysore University in the year 1938. Honorary LL. D. of the Benares Hindu University, 1942. His Highness is very keen on the promotion of the War effort in the State. His Highness has donated from his privy purse a sum of Rs. 1,00,000 to the Lord Mayor's Fund, London, for relief of air raid victims, and another sum of Rs. 1,000 to the Hellenic War Fund. In addition under His Highness's orders, his Government have contributed Rs. 28,48,500 to the various War Funds as follows : -

1. His Excellency the Viceroy's War Purposes Fund.	Rs. 17,00,000
2. To the Minister for Aircraft Production for purchase of Aircraft.	.. 5,00,000
3. The Mysore War Fund	... 1,00,000
4. The Lord Mayor's Fund, London.	... 13,500
5. The China Day Fund	... 10,000
6. All India Red Cross Week	... 25,000

Address . The Palace, Mysore, Bangalore, and Fern Hill, (Nilgiris).

NABHA

One of the Sikh States in the Punjab, Nabha has an area of 947 sq. miles, a population of 840,000 1941, and an average annual revenue of Rs. 28½ lakhs. Nabha is one of the Phulkian States. The ruling family belongs to the *Sidhu Jats* clan. H. H. Tikka Ripudaman Singh was formally installed as ruler on 28th December 1912. But in 1928 His Highness abdicated and took up his residence with his family in Dehra Dun. The State in his absence was administered by an official appointed by the Government of India. In February 1928, he was deposed and interned under Regulation III, 1818 at Kodaikanal. He was succeeded by his eldest son, Pratap Singh, the present Ruler. The principal crops of the State are gram, pulses, *bajra*, sugarcane, cotton, wheat, and barley. A portion of the State is irrigated by Sirhind Canal. The State has opened grain markets, and established banks near principal railway stations within the State territory. The chief industries of the State are manufacture of silver and gold ornaments, brass utensils, cotton carpets, etc. There are some cotton ginning factories and cotton steam presses. The State is traversed by the N.-W. and the B. B. C. I. Railways.

Ruler : H. H. Farzand-i-Arjmand Aqidat-Paiwand-i-Daulat-i-Inglishia Barar Bans Sarmur, Raja-i-Rajagan, Maharaja Pratap Singh Malvendra Bahadur, (born 21st Sept. 1919) succeeded to the *gaddi* on 19th February 1928, and was invested with full ruling powers on 5th March, 1941. His

Highness visited England in 1982 and in 1984 and took military training in Badingham College in 1984-88 and then entered Sandhurst.

NAWANAGAR

A Rajput State in Western India, Nawanagar has an area of 3,791 sq. miles and a population of 5,04,006. The average annual revenue is about a crore. The capital is Jamnagar and the Ruler is the Jamsaheb. Chief crops are grain, cotton, and oilseeds. There is a small pearl fishery off the coast. There is a State-owned railway and a State army. Administration is carried on with the help of a Dewan, a Judicial Secretary, a Military Secretary, a Home Member and a personal Assistant.

Ruler : Lt.-Col. His Highness Maharaja Jam Shri Sir Digvijaysinhji Ranjitsinhji Jadeja, G. C. I. E., K. C. S. I., born on the 18th September 1895, succeeded to *gaddi* on the 2nd April 1933. His Highness belongs to the famous Jadeja clan, from which the rulers of Cutch also trace their descent. He received his early education at the Rajkumar College, Rajkot, entered the training school for Indian Cadets at Indore in 1918, and received His Majesty's Commission on the 1st December 1919. He served with the 5th Battalion Rajputana Rifles (Napier's), and saw active service with the Egyptian Expeditionary Force in 1920, and with the Wazir Force from January 1922 to 1924. His Highness resigned his Commission in 1931. He was made a K. C. S. I. on the 3rd June 1935. He was appointed Major in the Army in 1936, and promoted Lieutenant-Colonel in 1936. He was appointed an Honorary *Aide-de-Camp* to King Edward VIII in 1936, and to H. M. King George VI in 1937.

PATIALA

Patiala, the premier Sikh State in the Punjab, comprises scattered districts and a portion of the Simla Hills and portions adjoining Jaipur and Alwar. The State has an area of 5,932 sq. miles, and a population of 19,36,259. The average annual revenue is Rs. 1,67 lakhs. The principal crops are barley, wheat, sugarcane, cotton and tobacco. There are extensive forests rich in timber. Ancient relics of historic interest are to be found at Pinjore, Sunam, Sirhind, Bhatinda, and Narnaul. There are 138 miles of State-owned railway besides other Indian railways, traversing the State. Primary education is compulsory and free. There is a first grade college, besides one Intermediate College at Bhatinda for boys and one Intermediate College for girls at Patiala. The State entered into alliance with the British Government in 1804 and 1809 A. D. and since then the rulers have been faithful allies of the British Crown.

Ruler : Major H. H. Farzand-i-Khas-i-Daulat-i-Inglishia, Mansur-i-Zaman, Amir-ul-Umra Maharajadhiraja Rajeswar Sri Maharaja-i-Rajgaon Maharaja Sir Yadavindra Singhji, Mahendra Bahadur Bhattikul Bhushan, G. B. E., LL. D., was born on 7th January 1913 and was privately educated. His Highness ascended the *gaddi* in 1988. As an all-round sportsman, His Highness enjoys all-India and even international fame. His Highness has already made his mark as a progressive ruler. He has introduced many reforms of far-reaching character. The opening of the departments of Rural Uplift and improvement of the medical and public health departments, the introduction of travelling dispensaries, the abolition of many 'Birs', the remission of arrears of land revenue and abolition of Nazool laws, all these

are the achievements of His present Highness. On the outbreak of the present war, His Highness placed the entire resources of the State at the disposal of the British Crown and issued a special appeal to the Sikh community in India for securing early victory to Britain. Under his guidance the State's contribution to India's War effort, particularly in the matter of supply of recruits, has been in keeping with the best traditions of the State.

PATNA STATE

Patna is a very ancient State and its various architectural ruins bear mute testimony to its ancient grandeur and civilisation. In the hoary past this State was the seat of the well known Koshala Empire which was ruled by the kings of the Aira dynasty. In the times of the Moghul Emperors as well as during the ascendancy of the Marhattas, the State maintained its independence and sovereignty. It was taken under British protection in 1803 and has ever since been extremely loyal to the British Crown. The Maharajas of Patna have all along enjoyed the hereditary title of Maharaja. Its great services in the Great War were acknowledged in high terms by the Government, when it conferred the privilege of a permanent salute of 9 guns on the Maharaja. Patna is one of the premier States of the Eastern States Agency and has an area of 2511 sq. miles and a population of 6,32,221 souls according to the census of 1941. It lies between North Lat. 20° 9' and 21° 4' and East Long. 82° 41' and 83° 40'. It is a very well-governed and progressive State possessing various good educational and industrial institutions, dairy and agricultural farms and other nation-building institutions. There are also fully equipped hospitals for both sexes, an X-ray and Electrotherapy Institute, a Veterinary Hospital and a Leprosy Hospital.

Ruler : Maharaja Rajendra Narayan Singh Deo was born on the 31st March, 1912. He is the 2nd son of the Raja Sahib of Seraikella and succeeded by adoption to the Patna *gaddi* on the 16th January, 1924. He was educated at the Mayo College, Ajmer where he passed the Chief's College Diploma Examination at the head of all successful candidates in 1929 and at the St. Columba's College, Hazaribagh where he passed the Intermediate in Arts Examination of the Patna University topping the list of successful candidates of that institution in 1931. The Maharaja undertook an extensive tour throughout India and Ceylon. He was married to a daughter of His late Highness the Maharajadhiraj of Patiala on the 24th April, 1932 and invested with Ruling powers on the 3rd February, 1933 by His Excellency the Governor of Bihar and Orissa. Since his installation the Maharaja has, in keeping with times, introduced many reforms of a far-reaching character and has been endeavouring his utmost to make Patna a model State. The Ruler enjoys the hereditary title of "Maharaja" which was assumed by Ramai Deo, the founder of the Ruling dynasty of Patna and has been enjoyed ever since by successive Rulers. The Maharaja is a member of the Chamber of Princes in his own right and a Vice-President of the Council of Rulers of the Eastern States Agency. He is also on the general council of the Raj Kumar College, Raipur and is also a member of the Managing Committee of the Eastern States Forest School and of the Permanent Committee of Eastern States School Tournament. He is also a patron of the All India Cattle Show Society.

PORBANDAR

Porbandar, a maritime State in Western India, has an area of 642'25 sq. miles and a population of 1,46,564, according to the census of 1941. The

average annual revenue is Rs. 26 lakhs. The Maharaja belongs to the Jethwa Rajputs, who claim descent from Hanuman. Porbandar is an open roadstead. It has a sheltered creek, where country craft can lie up securely during the rains, but the creek can only be entered at certain tides. The creek is now being deepened. The important minerals of the State are limestone and salt. There are at Porbandar a cement factory, a spinning and weaving mill, Salt Works, Hosiery Works, and a Match Factory. There is a State-owned railway. The Imperial Bank of India has a Branch at Porbandar.

Ruler : Captain H. H. Maharaja Shri Sir Natvarsinhji Bhavsinhji K.C. S.I., Maharaja Rana Saheb, was born on June 30, 1901, and succeeded to the *gaddi* on December 10, 1908. He was invested with full ruling powers on January 26, 1920. In recognition of services rendered in connexion with the Great War, the title of Maharaja was recognized as a hereditary distinction and the salute was permanently raised to 13 guns. *Heir Apparent*, Maharaj Kumar Shri Udaybhan.

PUDUKKOTTAI

Pudukkottai, a Madras State is surrounded by the districts of Trichinopoly, Tanjore and Ramnad. The country is mostly plain, broken by a few hills. The area of the State is 1,179 sq. miles and the population, according to the 1941 census, is 438,345. The average annual revenue is Rs. 21'4 lakhs. The State may be said to have been founded in 1686 by Raghunatha Raya Tondaiman. The Rulers of the State belong to the non-Brahmin caste known as Kallars. In the 18th century the Tondaimans rendered useful service to the British in their fight with the French around Trichinopoly and in their wars with Hyder Ali and Tippu Sultan, as also in the Poligar wars. The present Ruler being a minor, the administration is carried on by an administrator. A Legislative Council, first constituted in 1924, is at present composed of 50 members, of whom 35 are elected and 15 nominated by the Durbar. 10 of the nominated members are officials, one of whom is a woman.

Ruler : H. H. Sri Brihadamba Das Raja Rajagopala Tondaiman Bahadur (b. June 23, 1922) ascended the *gaddi* on the 19th November 1928. The Ruler enjoys a permanent salute of 11 guns.

RAJKOT

Rajkot, one of the Western India States, has an area of 262 sq. miles, a population of 103,083 according to the census of 1941, and an average annual revenue of Rs. 14 lakhs. The Ruler of the Rajkot State is descended from the same stem as the Jam of Nawanagar. Jadeja Shri Vibhoji was the founder of this house. Rajkot town is a trade emporium, and is known for its various industrial activities. It is the headquarters of the W. I. S. Agency and is served by three important railway lines. Educationally it is the premier city in Kathiawar and affords the advantages of Dharmendrasinhji Arts and Science College, the Rajkumar College, men's and women's training colleges, three high schools and a separate girls' high school.

Ruler : H. H. Thakore Saheb Shree Pradumnasinhji, the present Ruler of Rajkot was born on 24th February 1918. He took his primary education at Panchgini and afterwards was educated at the Rajkumar College, Rajkot, where he was awarded a gold medal for his good conduct. He studied up to the final diploma class. He is very good at sports, specially at cricket and

polo. He has led the Halar Cricket Club for many years. He has travelled all over India. He is very sober and cool-minded. He is taking a very keen interest in the *administration of his state*. He is recognized as the Ruler of Rajkot with full powers and a salute of nine guns. He was married to Kunverishree Narendrakunverba Saheb of Agiyali (Bhavnagar).

RAJPIPLA

Rajpipla, the premier State in Gujarat, lies between 21°28' and 21°59' north latitude and 73°5' and 74°0' east longitude. The greater portion of the valley lies between the Nervada and Tapti. The area of the State is 1,517 sq. miles, of which 650 sq. miles are covered with rich forests. The population of the State according to the census of 1941 is 249,032. The average annual revenue of the State is Rs. 25 lakhs. The State is intercepted by hills, which are the continuation of the Satpura Range. The highest peak, the Rajpipla Hill, is nearly 8,000 ft. above the sea level. Rajpipla is essentially an agricultural country. The soil is normally fertile. The principal agricultural produces are cotton, *jowar* rice, *bajra*, *til* and other food-grains. Cotton is the most important crop of the State. Rajpipla cotton is in great demand in Ahmedabad and Bombay mills for its superior qualities. The total area under cotton cultivation is now 146,604 acres. The total annual output is roughly 43,000 bales of pressed cotton of 410 lbs. each. The estimated value of cotton produced in a good year is above Rs. 50 lakhs.

Forestry is a valuable asset to the State. Various minerals, such as marble, iron ore, red and yellow ochre, fire and pottery clays, cement, calcium and gypsum are also found in the State. The Rajpipla State Railway, which is 40 miles in length, connects the capital of the State with Ankleshwar, a station on the B. B. C. I. Railway. The State is traversed all over by a network of metalled and unmetalled roads. Notable achievements in road construction are the construction of a hill road to the famous shrine of Sulpan, another road to Mal Samot, two villages situated 2,500 feet above the sea level. There are great potentialities for hydro-electric schemes in the State and surveys have already been made and schemes are under serious consideration. The State has recently turned its attention to cattle breeding.

Ruler : H. H. Maharaja Shree Vijaysinhji, K.C.S.I. was born on January 30, 1890, and succeeded to the *gaddi* on the death of his father on September 26, 1915. Educated at Rajkumar College, Rajkot, and with the Imperial Cadet Corps at Dehra Dun, even as a boy, His Highness showed great skill as a sportsman, and later on won international fame by his success on the English Turf, including the winning of the Derby in 1934. He has travelled extensively in Europe and America and given the full benefit of his up-to-date knowledge and experience to his subjects by introduction of reforms in his State, wherever possible. He has brought into being a Legislative Council in the state in order to enable his people to participate in the administration and policy of the State. His Highness has made primary education free in the State and has provided for cheap secondary and higher education. He has made endowments for the benefit of widows and has encouraged trade and industry by the introduction of various liberal economic measures.

RAMPUR

Rampur, a U. P. State, has an area of 893 sq. miles and a population of 4,76,912, according to the census of 1941. The average annual revenue is

about Rs. 52 lakhs. The Rampur court was a great patron of arts and Learning and the Rampur Oriental Library contains many collections of precious Persian manuscripts and Moghul miniatures. Administration is carried on with the help of a State Council consisting of the Chief Minister and three other Ministers. There is a Legislative Assembly consisting of 34 members of whom 17 are elected and 5 nominated non-officials. It enjoys wide powers. The annual budget is submitted to it for discussion, but the grants are not votable. It can make laws for the State by introducing bills and move resolutions about matters of public interest of importance. Statutory Boards consisting of official and non-official members have also been constituted and are functioning. The various departments of administration are under experienced civil officers, assisted by statutory advisory boards with non-official members.

State holdings in investments amount to Rs. 1,59,28,890 with annual addition of Rs. 2,00,000. State services are guided on the principles followed by the Government of India, and there are grades, pensions, provident fund and T. A. and leave rules. There is a High Court consisting of a chief justice and two puisne judges. Education is free and there is provision for female education and training of teachers. Hospital arrangements with up-to-date surgical departments in each tehsil, maternity and child welfare centres deserve mention. The agricultural department encourages cultivation by scientific methods. Sugar factories, textile and match factories are some of the State's industrial ventures. There is a cottage industry institute for imparting training in various cottage industries. The Ruler enjoys a salute of 15 guns.

Ruler: Major H. H. Alijah Farzand-i-Dilpazir-i-Daulat-i-Inglishia, Mukhilis-ud-Daulah, Nasir-ul-Mulk, Amir-ul-Umra Nawab Sir Saiyid Mahomed Raza Ali Khan Bahadur, Mustaid-i-Jang, K.C.S.I., D. Litt., LL. D. was born on 17th November 1906 and educated at Rajkumar College, Rajkot. His Highness is a Major in the 2nd King George's Own Gurkha Rifles, a pro-Chancellor of Aligarh University, and a member of the Standing Committee of the Chamber of Princes. His Highness is a progressive and popular ruler and has already earned the esteem of his people.

REWA

Rewa is an Indore Agency State of Central India and has an area of 18,000 sq. miles, a population of 1,820,806 according to 1941 census and an average annual revenue of Rs. 48 lakhs. The capital of the State is Rewa. The ruling family belongs to the Baghel clan of Rajputs descended from the Gujarat family which ruled at Anhilwara Patan from 1219 to 1296. A Government of India Press communique issued at New Delhi on February 17, 1942 suspended His Highness from the *gaddi* and appointed a Political officer to take temporary charge of the state until enquiries have been made about the alleged offences of His Highness.

Ruler: H. H. Maharajadhiraja Sir Gulab Singh Bahadur (born on March 3, 1908), succeeded his father, Lieutenant-Colonel Maharaja Sir Venkat Raman Singh Bahadur, G. C. S. I. on the 31st October 1918, and according to local history, is the 34th of his line. He married a sister of His Highness the Maharaja of Jodhpur on the 25th June 1919. His Highness contracted a second marriage in February 1925 with the daughter of His

late Highness Maharaja Sir Madan Singh, K. C. S. I., K. C. I, E., Ruler of Kishangarh. The Maharaja was invested with ruling powers on the 31st October 1922, made a K. C. S. I. on the 1st January 1927, and a G. C. I. E. on the 1st January 1931. The present Maharaja was a page to Her Majesty the Queen-Empress at the Coronation Durbar at Delhi in December 1911.

SANGLI

Sangli belongs to the Kolhapur and Deccan States Agency and has an area of 1,186 sq. miles and a population of 2,98,498, according to the 1941 census. The State has an average annual revenue of Rs. 16 lakhs. The ruler enjoys the hereditary title of Raja and enjoys a State salute of 9 guns and a personal salute of 11 guns. The Sangli State ranks first among the Patwardhan States.

Ruler : Captain H. H. Raja Shrimant Sir Chintamanrao Dhundirao alias Appasaheb Patwardhan, K.C.I.E., was born on 14th February 1890 and succeeded to the *gaddi* on 15th June, 1903. In recognition of his services during the War of 1914-18, His Highness was granted a permanent salute of 9 guns on 1st January 1918. The honorary ranks of Lieutenant and Captain were granted in October 1910 and in May 1938 respectively. He was made a K. C. I. E., in 1928. In December 1927 His Highness received the distinction of a personal salute of 11 guns. The hereditary title of Raja conferred on 1st June 1932. High Highness has always taken a keen interest in the administration of his State, and has introduced several reforms. He was a member of the Indian States Delegation to the Round Table Conference in 1930 and also of the Federal Structure Committee in 1931.

SIKKIM

Sikkim, a small hilly state at the foot of the Kanchanjunga, between Nepal and Bhutan, has an area of 2,818 sq. miles and a population of 122,000 acc. to 1941 census. Bhutias, Lepchas and Nepalese are the principal inhabitants of the State and the prevailing religions are Hinduism and Buddhism. The average annual revenue is Rs. 5,20,422. There are many trade routes through this State to Tibet. Maize and rice are the principal crops. Trade with British India has increased to Rs. 40'50 lakhs. The capital of the State is Gangtok. The State is administered by the Maharaja with the help of a Council. The Maharaja is entitled to a salute of 15 guns and resides at Gangtok. During the last few years the trade and revenue of the State have increased greatly.

Ruler : H. H. Sir Tashi Namgyal, was born in 1893 and succeeded to the *gaddi* on the 5th December 1914 on the death of his half-brother Sidkeong Namgyal, and he was invested with full ruling powers on the 5th April 1918. In October of the same year he married Kunzang Dechen, daughter of the Rakashar Depon, a General in the Tibetan Army. He was educated at the Mayo College in Ajmer (1909 and 1910) and at St. Paul's School in Darjeeling (1911 and 1914). For services in connexion with the War the Maharaja was appointed a C. I. E. on the 1st January 1919, and was promoted to be a K. C. I. E. on the 1st January 1923 and appointed K. C. S. I. on the 8th June 1939. On the outbreak of the present war the Maharaja again placed all the resources of his State at the disposal of His Imperial Majesty.

TONK

Tonk, one of the Rajputana States, has an area of 2,558 sq. miles, a population of 357,988 according to the 1941 census and an annual revenue of Rs. 21.12 lakhs. The State is administered by His Highness the Nawab Bahadur with the help of a State Council, which was recently been re-organized and reformed. A State Assembly of 27 members with representatives of rural and urban area has been introduced. Education is free in the State. The Ruler enjoys a permanent salute of 17 guns.

Ruler : H. H. Said-ud-Daulah-Wazir-ul-Mulk Nawab Hafiz Sir Muhammad Sa'adat Ali Khan Bahadur Sowlat-i-Jung, G. C. I. E. was born in 1879 and was educated privately. His Highness ascended the *gaddi* on 23rd June 1930. The Ruler is a scion of the Afghan family of the Buner tribes, which go by the name of Salarzie. His Highness possesses erudition in Arabic and Persian.

TRAVANCORE

Area : 7,661.75 square miles. *Total Population* : 6,070,018 according to the 1941 census. *Revenue* : Rs. 301.41 lakhs. *Capital* : Trivandrum. *Population of Trivandrum City* : 128,865.

Ruler . His Highness Sri Padmanabha Dasa Vanchi Pala Sir Bala Rama Varma Sri Chitra Tirunal Kulasekhara Kiritapati Manney Sultan Maharaja Raja Ramaraja Bahadur Sham Sher Jung, Knight, Grand Commander of the Most Eminent Order of the Indian Empire, D. Litt., Maharaja of Travancore. Born : 7th November 1912, succeeded to the Musnad on the 1st September, 1924, was invested with ruling powers on the 6th November, 1931.

Her Highness Maharani Setu Parvati Bayi, D. Litt., of Travancore, mother of His Highness the Maharaja. Martanda Varma, Elaya Raja of Travancore, Brother of His Highness the Maharaja. Lakshmi Bayi, First Princess of Travancore, Sister of His Highness the Maharaja. Prince Avittam Thirunal, Nephew of His Highness the Maharaja, Heir-presumptive. *Dewan* : Sachivottama Sir C. P. Ramaswami Aiyar, K.C.S.I., K.C.I.E., LL.D.

The Travancore Legislative Council : completed its golden jubilee in 1938. Travancore was the earliest among the Indian States to constitute a Legislative Council as an adjunct to the machinery of the State administration, as it is to-day the first to institute a bicameral legislature with a non-official majority, proportionately larger than in any other Indian State.

Pursuant to the announcement made by the present Maharaja when assuming ruling powers, the Travancore Legislature was reconstituted in its present form. It was the spontaneous gift of the sovereign, symbolising the identity of interests between the Ruler and the ruled. The Government of His Highness the Maharaja have devoted their utmost attention to make the Legislature thoroughly representative of all classes, communities and interests. Wide powers, budgetary and legislative have been conferred on these bodies in relation to almost every department of public activity, except as regards matters affecting the Ruling Family and the Paramount Power. Non-official members are further granted the right to move resolutions and to put questions on matters of general public interest, and freedom of speech on the floor of the House is granted by statute.

Equality of opportunity has been given to all communities in the civil and military services of the State.

Untouchability and caste distinction have been removed by Royal Proclamation granting temple-entry to all Hindus. A Protector of Backward Communities has been appointed to look after the interests of the educationally and socially backward communities. Fee concessions are granted to the backward communities, and colonies providing them with land for living and cultivation have been established.

In education, Travancore stands foremost as compared with British India and other Indian States. According to the 1941 census, the percentage of literacy on total population is 42.1 for the whole State, 58.1 for males and 36.0 for females; and the percentage of literates aged 5 years and above is 55.0 for the whole state, and 67.9 and 42.1 for males and females respectively.

A University for the State was started on the 2nd November 1937, to effect a reorganisation of the system of education in the State with a view to the gradual development of technical and technological education, to make greater and more systematic provision for the furtherance of original research in the various branches of applied science and to provide for the conservation and promotion of Kerala Art and Culture.

Commerce.—Imports: Rice, paddy, piecegoods, machinery, hardware, oilman stores, cement, metals manufactured goods, tobacco, etc. *Exports:* Coir yarn, mats, matting, fibre, rope, tea, cocoanut oil, rubber, pepper, copra, oilcake, ginger, salt, prawn, fish, timber, ilmenite, monazite, zircon, palmyra, fibre, cocoanut shell, charcoal, etc.

Principal Ports. Alleppey, Quilon, Trivandrum and Colachel.

Industries: Coir mats, mattings, yarn, rugs, etc., cashewnuts, rubber goods, piecegoods, sugar, etc.

The State has almost inexhaustible supplies of timber, not only *Blackwood*, *Ebony*, *Sandalwood* and other valuable woods, but also soft wood and reeds suitable for making paper, Cardboard and artificial silk. The mineral possibilities, too, are great. Apart from the immense deposits of mineral sands such as ilmenite, monazite, zircon, sillimanite, rutile, etc. there are abundant deposits of *Graphite*, *Mica* and *Kaolin* of exceptional quality.

Various cottage industries such as cotton weaving, coir making wood carving, ivory carving and lace making are carried on in the State.

To stimulate trade and provide a punctual transport service, the Government has taken over the road transport in the State. There is also an idea of nationalising the water traffic on the chain of canals and lagoons, which stretch from one end of the State to the other.

With the completion of the Pallivasal Hydro-Electric Scheme, one of the handicaps for the industrial development of the State, viz., the absence of cheap power, has been overcome and the State placed in a position of vantage to exploit to the full its abundant supplies of raw materials.

Among the several industrial projects introduced in the State are the Travancore Ceramic Concerns at Kundara, the Travancore Sugars and

Chemicals, Ltd., with its factories at Thuckalay, Nagercoil and Trivandrum, the Travancore Rubber Works and the Toy Factory at Trivandrum. The Travancore Sugars and Chemicals Ltd., manufactures, besides sugar, 260 varieties of pharmaceutical products which include various liniments, liquid extracts, liquors, pulves, spirits, syrup and unguents and also specialties including "Caffeinaspirin" aspirin and lysol. Porcelain ware comprising sanitary ware, electrical crockery, fancy and artistic ware and stone ware articles like pickle jars and drainage pipes, etc., are being manufactured at the Ceramic factory. Among the articles turned out in the Rubber Factory are cycle tyres and tubes, motor car tubes, surgical tubing, sheets, electric standards, dipped goods, hoses, gharry tyres, etc. The Aluminium Factory at Alwaye has commenced production of aluminium. Among the factories which are in course of construction may be mentioned the Plywood Factory at Punalur and the Glass Factory at Alwaye. Schemes are well under way for the establishment of factories for the manufacture of cement, cane sugar, Caustic Soda, Fertilizers, Sulphuric Acid, Potassium Chlorate, Synthetic Ammonium Sulphate, Acetic acid and Calcium Carbide. Steps for the establishment of Spinning Mills in Travancore are also in progress.

His Highness has made munificent contributions to the War Fund. He has presented the trawler and minesweeper, "H. M. I. S. Travancore", to the Royal Indian Navy at a cost of Rs. 6,50,000/- and two fighter 'planes to the Royal Air Force at a cost of Rs. 1,50,000/- and has sent the First and Second Infantries of the State Forces for active service. Besides, His Highness has contributed a sum of Rs. 7 lakhs to the Viceroy's War Purposes Fund, a sum of Rs. 2,00,000/- for the benefit of Indian Troops in the Middle East and a sum of Rs. 1 lakh for Red Cross Service. Her Highness Maharani Setu Parvati Bayi has contributed an Ambulance car.

The State has made a notable contribution in the matter of war supplies. Large quantities of coconut shell charcoal, coir goods, fabricated steel works, ceramic goods, rubber goods, etc., are being supplied.

Travancore has its attractions for the tourist also, as it is far-famed for the variety and abundance of its natural charms and attractions. Lord Curzon spoke of its "exuberant natural beauties, its old-world simplicity and its Arcadian charm." Lord Irwin (now Lord Halifax) described it as the "spice garden of India."

TRIPURA

The State lies on the southern part of Eastern Bengal and Assam. It is a hilly country, the height varying from 100 to 3,000 feet. The area of the State is 4,116 sq. miles. The adjoining British districts of Tripura, which once formed parts of the independent kingdom of Tripura, are now held by the State as zemindary. The population of the State which is increasing rapidly was 382,450 in 1931, and 518,952, according to the census of 1941. Hindus constitute about 70% of the population, Mohammedans 26%, Buddhists 3%, the rest are Christians. Bengali is the court language, spoken by the majority of the people, though only 48% use it as their mother tongue.

The Ruling family, which is perhaps one of the oldest in the world, belongs to Chandravansi Kshatriyas. They were never subjugated by the Moghuls.

The family is exceedingly well-connected with distinguished and ruling families in eastern, western, northern and central India. The present Ruler is the 184th in descent. The family uses *Barman* or *Varma* as surnames, and is renowned for their patronage of art and literature from times immemorial. The Rajas of Tripura are descendants of King Druhya of the Lunar race. Their present title *Barman* means "armour" a term applicable to all Kshatriyas—and their family name was *Pha* up to 1279 A. D., when Tugral, the then Governor of Bengal, conferred on them the appellation of *Mamukya* (a jewel), which was formally recognized by the Government of India in 1919. The traditions and history of the family are contained in *Rajmala* or State record, an epic in Bengali said to be the oldest composition in the language in existence.

Tripura holds a position quite unique among Indian States. There is no written treaty with the Paramount Power, the relations being mainly governed by recognized usages and customs. The succession is hereditary. His Highness enjoys a permanent salute of 15 guns. There are organized courts including a High Court with a sessions division empowered to inflict capital punishment. The Administration is carried on through the Mantri Parishad, Council of five Ministers. There are eight divisions administered by Divisional Officers with assistants. There is a regular Police Force. The State has a Military Force, part of which forms units of the Indian State Forces. There are seven High English schools, and over 150 other schools, which include M. E., L. V., and primary schools in the State. Within the last ten years the increase in the number of students is 93% and in every jail there is arrangement of education for convicts. Compulsory free primary education was introduced in 1952 within Agartala Municipality. Medical aid is free and treatment of leprosy, antirabic and X-ray have been introduced. There is a State Bank besides other institutions, such as Associated Bank of Tripura Limited, The Tripura Modern Bank Ltd., Grish Bank Ltd., and The Eastern Continental Bank Ltd. There is a dividend-paying match factory named Maharaja Match Factory Ltd., at Agartala. The main agricultural produces are rice, jute, sugarcane, cotton and oil-seeds, etc.

Tea industry made remarkable progress within the last 20 years. There are 52 tea gardens in the State. Home-spun cotton fabrics are of exquisite designs. Mineral products have recently been investigated. There is definite evidence of large petroleum reservoirs in the State, and permission has been granted to Messrs. Burma Oil Co. to take up the works. There are also large deposits of kaolin and fire-clay, and iron ores and bauxite have been found. Agartala, capital town, contains the Ujjayanta Palace, a masterpiece of architectural design with Moghul garden in the front, containing various valuable and rare paintings, armours, carpets, shawls, and ivory. Malancha Abas on the hills is a summer residence. Temple of "Fourteen Gods", the presiding deity, is famous.

The average annual revenue of the State is Rs. 40 lakhs, inclusive of zemindary income. Under the present Ruler, the State has undergone all round improvement. The Maharaja is a great lover of books and a great architect and educationist. Free primary education was introduced in the State. Of the great innovations which have taken place in recent years the following may be mentioned : 1. Establishment of banks and banking system ; 2. Encouragement of industries such as tea, match and sugar ; 3. Geolo-

gical, metallurgical, and topographical surveys and researches ; 4. Improvement of the municipal system ; 5. Constitutional reforms in the shape of wider franchise to the people ; 6. Colonization in Kamalpur division ; 7. Electrification of Agartala ; 8. Construction of thousands of tubewells, tanks and *bunds* ; 9. Remodelling of Agartala city on modern lines.

Ruler. Major H. H. Bisama-Samara-Bijayee Mahamahodaya Pancha Srijukta Maharaja Manikya Sir Bir Bikram Kishore Deb Barman Bahadur. Born Aug. 19., 1908, succeeded to the *gadda* on Aug. 18, 1928. His Highness had his early education under qualified tutors and underwent a course of Military training with the 8th Gurkha Rifles. Married the 6th Maharajkumari Sahiba of Balrampur in 1929 and after her death, married the eldest daughter of H. H. The Maharaja Saheb of Panna in 1931. His Highness has travelled extensively all over the world and is a fellow of the Royal Geographical Society, Royal Central Asian Society and Royal Society of Literature of London. His Highness was made a K. C. S. I. on the 3rd June, 1935. His Highness is a Major in the British Army and is the Hony. Colonel of the 5th Bengal Presidency Urban Infantry. He is the elected President of the Council of Rulers, Eastern States Agency and is a Member of the Standing Committee of Rulers, Chamber of Princes. The Maharaja is entitled to visit the Viceroy and enjoys the privilege of a return visit.

UDAIPUR (MEWAR)

The history of Mewar dates back to the 7th century A. D. and is replete with stories of Rajput chivalry and glory. Its chief city is Udaipur. The State has an area of 12,753 sq. miles, a population of 1,925,000, according to the census of 1941, and has an average annual revenue of Rs. 80 lakhs. The Ruler enjoys a permanent salute of 19 guns, and a local salute of 21 guns. The capital is Udaipur, which contains the Maharana's palaces on the summit of a low ridge. To the north and south of the ridge, houses extend to the banks of a beautiful lake known as Pichola Lake in the middle of which there are two island palaces. The archaeological remains in the State are numerous. The administration of the State is carried on under the supervision of H. H. the Maharaja, assisted by a Prime Minister and three Ministers.

Ruler. Lieut.-Colonel H. H. Maharajadhiraja Maharana Sir Bhupal Singh Bahadur, was born on the 22nd of February 1884 and succeeded to the *gadda* on 24th May 1930. Was created a K. C. I. E. on the 3rd June 1919, and a G. C. S. I. on the 1st Janury 1931. Made Honorary Lieutenant-Colonel in the Army on the 4th August 1939. A permanent local salute of 21 guns was sanctioned on the 1st Jan. 1921. His Highness married the sister of the Thakur of Auwa in March 1910, who died in June 1910. He married in February 1911 the daughter of Thakur Kesri Singh of Achrol in Jaipur State. His third marriage took place on the 17th Jan. 1928 with the daughter of the Thakur of Khudala in the Marwar State. Maharaj Kumar Bhagwat Singh, son of Maharaj Partab Singh, who was born on 20th June 1921, has been adopted as heir-apparent.

NATIONAL INCOMES IN 1936

Country	1936 000,000,000's omitted
U. S. A.	63.5 (Dollar)
U. K.	4.9 (Pound)
France	189 (Franc)
Germany	62.6 (Mark)
Sweden	8.6 (Kroner)
Japan	13.1 (Yen)
U. S. S. R.	33.1 (Rouble)
INDIA* (1941)	39 (Rupee)

FOREIGN POSSESSIONS IN INDIA

FRENCH POSSESSIONS : French Possessions in India have a total area of 196 sq. miles with a population of 300,359. They are principally five—Pondicherry, Karikal, Chandernagore, Mahe and Yanam, known as *dependances*. Pondicherry, founded in 1674 by the French, is the seat of the Governor of French India. It has a romantic history. Originally French, it came under the Dutch in 1693 and then reverted to the French in 1699, The English became its master in 1761 and throughout the later part of the eighteenth and the earlier part of the nineteenth centuries, there was a tussle between the French and the English over it, until the treaties of 1814-15 finally placed it under the French. These possessions were represented in the French Parliament at Paris by a Senator and a Deputy, but after the collapse of the French in the present war, there has been naturally a change in the usual order. The five *dependances* are divided into 17 communes and there is an elective General Council. The present *Governor* is H. E. Monsieur Louis Bovin. The revenue (local) in 1938 was Rs. 3,397,099 and the expenditure was also the same. Paddy, rice, manioc and groundnuts are grown, Pondicherry has three cotton mills and Chandernagore one jute mill, (See also Pondicherry and Karikal, under PORTS). Government maintain about 70 primary schools and 3 colleges. There are about 15,000 pupils, studying in these, and about 400 teachers.

PORTUGUESE POSSESSIONS : Portuguese Possessions in India have a total area of 1,537 sq. miles with a population of 601,000. These consist of Goa, Daman and Diu. These are under the Metropolis and their budgets are to be approved by the Minister for the Colonies. They are not permitted to float loans. There is a Governor-General. The present *Governor-General* is H. E. Colonel Jose Ricardo Pereira Cabral. The revenue (estimated) in 1939 was 61,605,866 escudos and expenditure was also the same. There are more than 500 salt works employing about 2,000 men. The production in 1938 was about 18,000 tons. Exports are cocoanuts, fish, spices, cashew-nuts, salt and copper. Some manganese deposits have been discovered and these are being mined.

* India's per capita income on the basis of 1941 census population is taken as Rs. 75 per annum.

INDIA'S NEIGHBOURS

Afghanistan

Afghanistan lies to the north-west of India. The area is 250,000 sq. miles and the population about ten million.

Government : The Government is a constitutional monarchy. The Parliament, which comprises the King, a Senate and a National Assembly, exercises the supreme legislative power. Loe Jirgeh (Grand Assembly) is called sometimes by the King for deciding major questions. The Senate has 45 members, nominated by the King. The National Assembly has 109 elected members. There are five major provinces : Kabul, Mazar, Kandahar, Herat and Kataghan-Budakhshan, and four minor provinces : Simat-i-Mashriqi, Simat-i-Junubi, Farah and Maimana. They are ruled by Governors.

The King (formerly called Amir) is Muhammad Zahir Shah (b. 1914) who succeeded Muhammad Nadir Shah, assassinated in 1933.

The revenue is estimated to be about 150 million in Afghani Rupees. Although the country is rocky and unfit for successful agriculture, irrigation has been helpful in the production of fruits, vegetables and cereals. Fruits are a sort of staple food to the majority of its people and fat-tailed sheep is the source of principal meat. The grease from its tail is used as butter, and wool and skin as warm clothes. Exports are lambskin, cotton, hardware, live animals, leather, silver treasure and sugar. Copper, lead and iron are extracted from many parts in northern Afghanistan. Poor quality coal, crude petroleum, gold, lapis lazuli are some of the minor industries. Factories, owned by the State, work in wool, furniture, matches, buttons, leather and boots. Arms and ammunition, and other requirements for the Army are manufactured in "Machine-khana".

The country possesses five wireless stations, telephones and telegraphs. But there are neither railways nor navigable rivers. Transport is generally on camels or ponies. There is some motor traffic. There is free elementary and secondary education. There are some technical, arts, commercial and military schools. The University of Kabul was founded in 1932.

Burma

Burma may conveniently be considered as one natural division. It is severely separated from the main sub-continent of India by natural barriers of sea and mountains. The natural environment of Burma, and the religion, manners and customs of the Burmese people strikingly differ from those of the inhabitants of the main land of India. Burma is bounded on the north by Assam and China ; on the east by Chinese territory, Annam and Thailand ; on the south by Thailand ; The Bay of Bengal forms the western boundary, except at the north-west corner, where Burma touches the Indian States of Tripura and Manipur. The two principal rivers are the Irrawady and the Salwin. The former, which is navigable for a distance of about 900 miles, traverses the valley of Arakan and Pegu Yoma, and spreads itself into a gigantic delta, and finds an outlet in the Bay of Bengal. The Salwin flows

* Burma is now under Japanese occupation and the Government of Burma has been shifted to Simla.

into the Gulf of Martaban. The coast line of the province is much indented and is studded with islands.

Area and Population : The area is 261,610 sq. miles ; Burma proper covering 192,158 sq. miles, the Shan States 62,635 sq. miles and unadministered territory 7,117 sq. miles. The population (1941) was 16,823,798.

Government * Burma was separated from India in April 1937 and is now governed according to the Government of Burma Act, 1935. The Governor, the Chief Executive, has a Council of Ministers not exceeding 10 in number, and he may appoint Counsellors, upto 3 in number, to assist him in some of his functions. The Legislature consists of the Senate and the House of Representatives. The former consists of 36 members of whom 18 are elected by the House of Representatives and 18 appointed by the Governor. The latter consists of 132 members elected on the basis of franchise.

Finance : The revenue receipts estimated were Rs. 15,43,23,000 in 1939-40 and the expenditure Rs. 15,42,07,799.

Industry and Commerce . Agriculture supports nearly 75% of the population. The area cropped is 16½ million acres, 1½ million of which is cropped more than once. Forests are a very important industry. The output of teak in 1938-39 was 413,663 tons. Other important industries are tin, wolfram and petroleum. The output of wolfram in 1938 was 3,849 tons ; that of tin in 1938 was 4,519 tons. The total output of petroleum in Burma during 1938 was nearly 264 million gallons. Silver, gold, lead, zinc, copper and nickel speiss are also extracted. Some precious stones, e.g. rubies, Burmese jadeite also form a minor industry. Of 1,077 factories in Burma, more than half are engaged in milling rice, about one-seventh are saw-mills, the rest are engineering works, cotton ginning mills, etc. A revival of late has taken place in hand silk-weaving. Lacquer work of Pagan is an important indigenous industry. The seaborne foreign trade of Burma totalled Rs. 69'28 crores in 1938-39. Export trade value was Rs. 48'52 crores for the period, rice accounting for Rs. 20'69 crores.

Communications : The Burma Railways measure 2,059 miles. Length of metalled roads is 3,760 miles and that of the unmetalled 6,770. The Irrawady affords the most natural facility for communication. The Irrawady Flotilla Company manages a good river service.

Education : The most notable feature of education in Burma is its indigenous *hpoongyi-luang*, which means a monastery school and almost every village has one of this. The Burma boy, as matter of religion, has to attend this school, as he has to shave his head and wear yellow robe. The three R's are taught in the schools. The teaching University of Rangoon was constituted in 1920 with two arts colleges. The Medical College was opened in 1929 and the Teachers' Training College in 1931. There is an Agricultural College at Mandalay, a Forest School at Pyinmana, a Technical College and a Veterinary College at Insein. In 1938-39 the number of pupils attending recognized schools and colleges was 611,938 and that in unrecognized ones was 213,294. Higher education is controlled by the University ; English and A. V. Schools by the Education Department, which works under the Minister of Education, assisted by the Director of Public Instruction. The percentage of literate people in Burma is very high compared to that in British India.

* At present in India.

Burma States

1. *The Shan States comprise* : A. Two isolated States in Naga Hills district. (1) *Hswanghsup*—area 529 sq. miles and population 7,239. (2) *Smykalng Hkamti*—area 963 sq. miles and population 2,157. B. *The Hkamti Long States*—seven petty village communities under separate chiefs in the Myitkyina dist., total area 200 sq. miles, and population 5,349. C. *The Northern Shan States*—seven States, area 20,156 sq. miles and population 689,877. Headquarters, Lashio—terminus of the Myohang-Lashio branch of the Burma Rly. and connected by motor roads with Mandalay and China. D. *The Southern Shan States*—28 states, area 36,157 sq. miles and population 927,094. The population chiefly consists of the Shans belonging to *Tai-Chinese* family, remainder belonging to the *Austro-Asiatic* class of the Austric family or to the Karen family. Chief religions are Buddhism and Animism.

Rice, pulses, maize, wheat, cotton, groundnuts, oranges and pineapples are the principal crops. Mineral resources are plentiful and still unexplored. Burma Corporation Ltd. have been granted right of exploring zinc, copper, lead and silver. Chinese settlers in the Northern States have found cattle, pony and mule breeding a profitable concern.

II. *The Karenian States* : Karenian States consisting at present of 3 States with a total area of 4,280 sq. miles and a population of 70,493 outside British Burma and not subject to laws of the Shan States and British Burma are under a political Officer subordinate to the Superintendent, Southern Shan States. The chiefs enjoy rights over the mines and forests.

Ceylon

Area and Population : The island of Ceylon, which has an area of 25,332 sq. miles and an estimated population of 5,780,000 in 1937, lies to the south of India and just opposite the southernmost point of the peninsula.

Government : The British established their supremacy in Ceylon only in 1796, when the foreign settlements of the island came under the Madras Presidency. Ceylon was made a Crown Colony separate from India in 1802, and is now under a Governor. He is assisted by the State Council, consisting of 50 elected members, and 8 nominated unofficial members. There are seven Ministers and 3 Officers of State, all of whom are members of the Council. The island is divided into nine provinces (Western, Central, Southern, Northern, Eastern, North-Western, North-Central, Uva and Saburagamuwa) for administrative purposes.

Finance : The revenue in 1939-40 was £8,232,307 and the expenditure was £8,576,911.

Industry and Commerce : Principal agricultural produce is paddy, but there are other grains as well. Cocoa, tea, coconut and rubber are extensively cultivated. Principal exports are cacao, cinnamon, coir, copra, coconuts, cacao nut oil, tea, plumbago, rubber, etc.; imports being cotton manufactures, rice and paddy, coal and coke, spirits, sugar, manures, button and specie. In 1938, the imports amounted to £15,751,658 and the exports to £18,995,552. The Department of Commerce and Industries is trying for industrial development of the island. The 1938 figure of factories and mills

working tea and rubber was 2,150. There are also factories working cocoanuts and fibres, oils, cardamom, cinnamon, etc

Communication : In 1938, entries of shipping were 12,261, 826 and clearances 12,123,097 tons. There are about a thousand miles of railways in the small island and usual postal and telegraphic advantages.

Education : There are free education in Sinhalese and Tamil Schools of which the number was about 5,540 in 1938. There are about 500 bilingual English Schools, 12 Government English Schools and a number of aided English Schools, where education is charged for. A University College was founded in 1921.

French Indo-China

Area and Population : Lying to the south-east of Burma and marching for hundred of miles with the Shan States, French Indo-China has an area of about 286,000 sq. miles and a population of 23,853,300.

Government : The administration is under a Governor-General helped by his Secretary-General. There are five States, the Colony of Cochin-China, and the Protectorates of Annam, Cambodia, Tonking and Laos besides Kwang Chuan. Each has its Resident-Superior at its head. The French Colony of Cochin-China is ruled directly by a Governor. The Grand Council for Economic Affairs and Government Council look after the affairs of Indo China. The present Governor-General is Admiral Decoux.

Industry and Commerce : The major industry is agriculture, rice being an important merchandise. There are fisheries, mining and manufactures. Sugar, tea and maize are some of the exports.

Communications : The railways have a length of 2,098 miles, and the mileage of roads is about 11,000. Colonial routes measure about 5,500 miles.

Finance : The revenue and expenditure for the common budget in 1939 were 107,698,180 piastres each.

Education : There are practically two systems of education, one meant for the French children and the other for the natives. The native system has about 7,000 primary and elementary Schools, 18 higher elementary Schools and 4 secondary Schools. A University is founded in 1917 at Hanoi.

The Malaya States (Federated)†

Area and Population : The approximate areas are : Perak (including Dindings), 7,890 sq. miles ; Selangor, 3,160 sq. miles ; Negi Sembilan, 2,580 sq. miles ; Pahang, 19,820 sq. miles . total 27,540 sq. miles.

Industry and Commerce : Principal produces are rubber, cocoanuts, rice, and palm oil. Gold, tin, tungsten and coal are mined. Timbers form a principal item of commerce. Chief imports are motor spirit, cotton yarn, and manufactures, milk, machinery, etc., exports being para rubber, tin, and tin ore, copra, palm oil, canned pineapples, wood and timber.

Government : These States were under British Protection and the Governor of the Straits Settlements was the High Commissioner, who was assisted by a

* At present the country is under Japanese military control.

† The States are now under Japanese occupation.

Federal Secretary. The Federal Council comprised twelve official and eleven unofficial members, nominated by the High Commissioner, who was its President. The States have their own Councils, presided over by their Rulers who are named below :—*Perak* : H. H. Paduka Sri Sultan Abdul Aziz al' Muktassim Bit'lah Shah, K.C.M.G., K.B.E. ; *Selangor* : H. H. Sultan Hisamuddin Alam Sha, K. C. M. G., *Neqi Sembilan* : H. H. Tuanku Abdulrahman, K. C. M. G. ; *Pahang* : H. H. Al Sultan Abu Bakar Ri'ayat-uddin Al-Muad-dzam Shah, K. C. M. G.

Finance : The revenue in 1988 was £7,356,197 (Straits Settlements Dollars fixed at 2s. 4d. or 60 dollars = £7) and expenditure £11,851,474.

The Malay States (Unfederated)

These States comprise Johore, Kedah, Perlis, Kelantan, and Trengganu ; the areas respectively being 7,330 ; 3,660,310 ; 5,750 and 5,050 sq. miles. The population of Johore (1938) was 709,870 ; Kedah—481,242 ; Perlis—55,446 ; Kelantan—399,299 ; and Trengganu— 201,370. The Sultan of Johore enjoys his right by direct treaty with Great Britain of 1885, amended in 1912. He is advised by a British Officer, and helped by an Executive Council and a Legislative Council of official and non-official members in his administration of the State, Suzerainty of other four States vested originally in Siam (now Thailand), but was transferred to Great Britain in 1910. The rulers were advised by British Officers and helped by State-Councils. These are named below.—Johore : H. H. Sir Ibrahim, G. C. M. G., G. B. E., Kedah : H. H. Sir Abdul Hamid Halim Shah, K. C. M. G. ; Perlis : Tuan Syed Alwi, K. B. E., C. M. G. ; Kelantan : H. H. Sultan Sir Ismail Ibn Almarhum Sultan Mohamed, IV, K. C. M. G. ; and Trengganu. H. H. Sir Sulaiman Badaru'l-alam Shah, K. C. M. G.

Finance : Johore (38)—revenue, £2,090,910 ; expenditure, £2,199,527. Kedah (38-39)—revenue, £758,137 ; expenditure, £30,484. Perlis (38-39)—revenue, 747,756 dollars ; expenditure, 700,150 dollars. Kelantan (38)—revenue, £365,637. expenditure, £350,121. Trengganu (38)—revenue, 2,427,004 dollars ; expenditure, 2,360,447 dollars.

The Straits Settlements*

Area and Population : The area of this Crown colony, comprising the settlements of Singapore (including the Cocos Island and Christmas Island), Penang (including Province Wellesley), Malacca and Labuan, is 1,359 sq. miles. The population (1931) was 1,114,015.

Government : It was administered by a Governor, helped by an Executive Council, consisting of the General Officer Commanding of Troops, the Colonial Secretary, the Resident Councillors of Penang and Malacca, the Attorney-General, the Financial Secretary, three official and three non-official members. There was a Legislative Council, composed of the G. O. C., twelve official and thirteen non-official (nominated 11, 2 elected by the Chambers of Commerce at Singapore and Penang) members. The Governor presided over this Council.

* Now under Japanese occupation.

The Governor was Sir Thomas Shenton Whitelegge Thomas, G. C. M. G., O. B. E. (1934).

Finance : The revenue estimated for 1910 was £4,375,482 and the expenditure £5,273,367.

Nepal

Area and Population : The independent Kingdom of Nepal lies to the north of Bihar and United Provinces. The area is about 54,000 sq. miles and the population about 5,600,000.* The country is famous for numerous beauty spots and relics of ancient Hindu and Buddhist religion and culture.

Government : The Government is a modified form of aristocracy. The Prime Minister is the supreme authority since 1867. This office is always to be occupied by one from the ruling family, and usually by the seniormost member of the family. The British and Nepalese Governments acknowledge one another as independent. The Treaty of Sagauli of 1815 *inter alia* created the Office of a British Envoy in the court of Nepal, who is now the Envoy Extraordinary and Minister Plenipotentiary (called so since May 1934).

The present Prime Minister is His Highness Maharaja Joodha Shumshere Jung Bahadur Rana (b. 1875) holding office since 1932.

Industry and Commerce : Rice, wheat and maize are the chief crops in the lowlands and there is supposed to be some mineral wealth, which has not yet been prospected. Cattle, hides and skins, opium and other drugs, gums resins and dyes, jute, wheat, pulses, rice and other grains, clarified butter, saltpetre, timber, tobacco, spices and oil-seeds form chief exports, imports being cotton and woollen piecegoods, silk, raw cotton, twist and yarn, iron and copper ware, petroleum, leather, brass, drugs and dyes, sugar, tobacco, salt, spices, sheep, goats and cattle.

Finance : The revenue is about two crores of rupees annually.

Communications : Nepal saw its first railway in 1927, when the narrow-gauge railway from Raxaul on the B. & N. W. Rly. to Amlekhganj, a distance of 25 miles, was constructed. There is a ropeway of about the same distance for carrying goods. There are telephone lines. A second railway links up Jayanagar on B. & N. W. Rly. and Janakpur.

Army : Nepal has a standing army of 45,000 soldiers and as a faithful ally of the British Government Nepal supplies Gurkha soldiers in considerable numbers.

Thailand (Siam)†

Area and Population : The area is 200,148 sq. miles including 45,000 sq. miles in the Malay Peninsula. The estimated population in 1938 was 14,976,000.

Industry and Commerce : The chief produce is rice and 18·05 per cent of the occupied persons were engaged in agriculture in 1929, 1·10 per cent in fishery and 2·19 in industry. Teak is an important industry. Cassiterite (tin ore), wolfram, scheelite, antimony, rubies, sapphires, silver, zinc,

* The estimated population of to-day exceeds 7,000,000.

† Now under Japanese influence and control.

manganese, molybdenum, coal, copper, gold, iron, lead, zircons are mined. The chief imports are cotton goods, gunny bags, food-stuffs, metal manufactures, tobacco, cigars and cigarettes, mineral oils, machinery, alcoholic beverages; chief exports being rice, tin and tin ore, rubber, teak, button and coir. Foreign trade in 1938-39 amounted to £11,784,611 (imports) and £18,583,826 (exports).

Communications : Thailand had in 1939 14 vessels of 9,186 tons, and in 1937 1,925 miles of railways were open and 112 miles under construction. A line connects it with the Federated Malaya States line. In 1938-39, 888 vessels of 1,265,387 tons entered and 887 of 1,265,356 tons cleared the port of Bangkok.

Education : Elementary education is compulsory and free. The number of Government Schools in 1938 was 313 with 46,259 boys and 39,518 girls; that of primary Schools 8,937 with 621,288 boys and 563,393 girls; that of Municipal schools 142 with 16,595 boys and 12,568 girls. Besides, there are a number of private and missionary schools. There are two Universities, the Chulalankarana (established in 1917) and the University of Moral and Political Sciences (in 1934).

Government : The present ruler is King Ananda Mahidol (b. 1925) who is a minor. A Regency performs the duty of the Crown. The Constitution of the country is monarchical.

The King in his exercise of legislative authority is assisted by the Assembly of the People's Representatives and in his executive authority by the State Council. One-half of the Assembly members is elected and the other half nominated by the King. An election on the basis of general franchise will come about from 1942. The existing regime is a military dictatorship. The State Council is entrusted with the duty of the Government. There are a President of the State Council, and Ministers of Defence, Foreign Affairs, Interior, Finance, Agriculture, Public Instruction, Justice and Economic Affairs. There are 70 Changwads or provinces, controlled by Commissioners, placed under the Minister of the Interior.

The average annual revenue of the kingdom is £11 millions.

Tibet

Area and Population : The area is 468,202 sq. miles. The population is estimated between 1,500,000 and 6,000,000.

Industry and Commerce : There is considerable trade with China. Some cultivation is found of barley and cereals. Fruits are produced. Weaving and knitting are common. Gold, borax and salt are mined. Tibet is approached from India through Siliguri or Almora and some trade between the two countries exists in spite of almost insurmountable obstacles of communication.

Government : There are some Chinese officials, but the administration practically rests with the Tibetans, of whom the head is Dalai Lama. He has a Minister appointed from among the Chief Tibetan Lamas (Silon). The Silon commands a grand council (Kashag) of four members (Kalans).

EDUCATION IN INDIA

Education in India might be placed under four divisions representing four main stages of education :

(A) *Primary education* is imparted by lower primary and upper primary schools. The number of primary schools in British India was 189,751 in 1939-40 and the number of scholars was 11,445,392. According to the census of 1941 only 12·1 per cent of the people of this country are literate.* The problem of primary education is, therefore, a national problem of the highest importance. In some of the big cities in India arrangements have been made for imparting free primary education, but none of the local Governments have as yet been able to provide for compulsory primary education for boys and girls of school-going ages. Many of the Indian States have stolen a march over Indian provinces in the matter of free primary education and the percentages of literate people in Travancore, Baroda and Mysore are higher than in any British province. India has the largest number of illiterates ; and the savage and aboriginal races excepted, Indians are the most illiterate people in the world. The census of 1941 evinces noticeable increase in literacy. The percentage of literacy, according to 1931 census, was 8 whereas the corresponding figure for 1941 is 12·1. This increase breaks previous records in recent censuses. But having regard to the colossal illiteracy problem in this country, one must say that literacy must spread at least 10 times more quickly.

(B) In *Secondary education* the position is not so gloomy. Compared to the literacy percentage, the number of secondary schools and scholars is fairly large. In 1939-40 there were 14,214 secondary schools in British India with 2,659,201 scholars.

(C) *Undergraduate education* is imparted by colleges, of which the number in 1939-40 was 304 and the number of scholars 119,536. Most of these colleges are either affiliated to or are constituent colleges of some Universities. In some provinces, as in U. P., Intermediate colleges are affiliated to Board of Studies for Intermediate and Secondary Education.

(D) *Post-graduate education* is imparted mostly by the post-graduate classes of the Indian Universities, though there are in some provinces, as in Bihar and Orissa, colleges which hold post-graduate classes side by side with undergraduate classes.

Education in India seems to be top heavy. Comparatively speaking more money is spent on higher education and secondary education than on primary education.† The existing accommodation for primary education in India is meagre, and if the country has to take its place among the progressive countries of the world, a quick, decisive and an all-comprehensive programme of a drive against illiteracy must be taken up and should be considered as one of the emergency measures for the nation. As is well known, an illiterate country is a hotbed of all kinds of economic, social and political evils, and education of the masses should, therefore, form the background of any other measure or measures for the uplift of the nation as a whole.

* For persons aged 5 and over.

† See Supplementary Statistical Tables.

Since 1920 increasing facilities have been made available for professional and technical training in all the provinces of British India. This has mainly been due to the fact that during the Great War of 1914-18 and after, there has been marked progress in industrial development in this country with the result that increasing numbers of students seek accommodation in technical and professional schools. In 1939-40 there were 81 technical and professional colleges and 11,087 technical and professional schools. These figures include law and educational colleges and schools.

University Education in India

Eighteen fifty-seven is an important landmark in the educational history of modern India. It was in this year that the Universities of Calcutta, Bombay and Madras were founded, consequent upon the Despatch of Sir Charles Wood (1854). This Despatch, among other things, contained an outline of a University system of education in India. These three Universities were soon followed by two others: first, the Punjab University in 1882 and second, the Allahabad University in 1887. It was in 1882 that Sir William Hunter's Commission recommended the withdrawing of higher education from the control of Government and stimulating private enterprise. The next mile-posts in the history of Indian Universities were the Universities Commission of 1902, followed by the Universities Act of 1904. This Act tightened up, on the one hand, the Government control over the Universities, and on the other the University control over schools and colleges. It also permitted the Universities to take up direct teaching function. This was the beginning of the present post-graduate departments in the Universities. Before this, the Universities were only examining and affiliating bodies. It was under the act of 1904 that the Calcutta University established its now famous teaching departments. In the next few years following 1904, the Imperial Government made large Imperial grants for the Universities. These, over and above the private endowments, which were not rare, helped the Universities to build up college departments for Master-ship courses, also research libraries and laboratories, etc., as specified in the Act of 1904.

Next came the important resolution of the Government of India on Indian Educational Policy in 1913. Among other things, the resolution pleaded for the establishment of additional but smaller Universities of the teaching type. Two distinct, but belonging to one type, Universities came into the field very soon. In 1916, the foundations of the Benares Hindu University were laid upon the earlier structure of the Central Hindu College of Mrs. Annie Besant at Benares, and in 1920, those of the Aligarh Muslim University were laid upon that of the Mohammedan Anglo-Oriental College of Sir Syed Ahmed at Aligarh. All the older Universities were born under official auspices, but these two were created out of private efforts, though helped by the Government. The aim of the Hindu University was declared to be the preservation of "the best thought of the culture of the Hindus and all that was good and great in the ancient civilization of India." The Muslim University also struck a like note. The Osmania University of Hyderabad, founded in 1918, had stolen a march over this by employing Urdu, as the medium of instruction, in all teaching of the University in non-language subjects. It is still acting up to its tradition, even in such technical subjects as medicine and engineering.

The first State University in India is the University of Mysore established in 1916, and the latest, the University of Travancore, established in 1937. An alphabetical list follows of the Universities in India with their years of foundation : Agra University—1927 ; Aligarh Muslim University, 1920 ; Andhra University—1931 ; Annamalai University—1929 ; Benares Hindu University—1916 ; Calcutta University—1857 ; Dacca University—1921 ; Delhi University—1922 ; Lucknow University—1920 ; Nagpur University—1923 ; Patna University—1917 ; and Rangoon University—1920.

The history of the Universities in India is incomplete without a reference to the *Calcutta University Commission*, which sat from 1917 to 1919, and was presided over by Sir Michael Sadler. Peculiarly enough, the University, with which its name is appended, is perhaps upto now the least benefited by its recommendations. The University of Dacca may be said to be a direct fruit of this Commission, although the movement for a separate University for Eastern Bengal dates as far back as 1912. The Sadler Commission strongly advocated the cause of the unitary University (as opposed to a federal or affiliating University), as also the teaching and residential type. The University at Dacca is all this. The Sadler Commission had recommended that Universities should be relieved of their intermediate work and concentrate more upon teaching and diffusion of higher learning. The Universities in the United Provinces have been modelled accordingly, except in the case of Aligarh and Benares. In U. P. intermediate education has been separated from Universities and placed under a Board. But even the older Universities, those of Calcutta, Bombay, Madras, Allahabad and Punjab, could not remain aloof from this new influence, and in all of them improvements along the line have been attempted. The constitution of Allahabad was changed in 1922 and since 1927, the year when the University of Agra came into existence, it is working as a unitary type. The Bombay University has been reorganized by means of the Act of 1904. The Madras University Act of 1923, and also the Act XII of 1929 testify that the old Madras University is evolving in these new lines. The University of Punjab also has had to undergo a scrutiny by the Punjab University Enquiry Committee (1932-33).

The generous donations made by many and the magnificent sum of Rs. 20 lakhs, recently donated by Dr. Rajah Sir Annamalai Chettiar of Chettinad, out of which the Annamalai University has been started at Chidambaram (Annamalainagar), show that Universities in India are one of those western institutions, which have stirred Indian imagination and have grown strong roots here. The need for co-ordination in the work of the Universities in India had been a long-felt want and, that the Inter-University Board (Lucknow) established since 1926 has been working in this line, is a happy sign.

Short accounts of different Universities in India follow :

UNIVERSITIES IN INDIA

AGRA UNIVERSITY : Founded on the 1st of July, 1927. It is of affiliating type. Twenty-two colleges enjoy its affiliation. The numbers of students of the affiliated colleges in 1941-42 were : Arts and Science 3827 ; Law 735 ; B. Com. 503 ; B. Sc. (Ag.) 306 ; Medicine 163 ; total 5,034. The University is maintained by ; (a) Government grant, and (b) income from fees. The income (during the financial year) was Rs. 1,95,721-10-8, including Rs. 40,000 Government grant, and Rs. 1,55,721-10-8 other sources ; expenditure being

Rs. 1,80,458-7-2. *Officers* : Chancellor, H. E. Sir Maurice Garnier Hallet, K. C. S. I., C. I. E., I. C. S ; *Vice-Chancellor*, Lt.-Col. Rev. J. C. Chatterjee, M. A.

ALIGARH MUSLIM UNIVERSITY : Founded in December, 1920, it is a residential and teaching type. Number of students in the University under the different Faculties in 1942 was : Post Graduate M. A., M. SC., LL. B. and B. Th. (Final and Previous) 669 ; B. A. and B. Sc. (Pass and Hon.) 876, including 15 girls ; B. T. 54 including 16 girls ; I. A., I. Sc. 781, making a total of 1880. Income in 1941-42 was Rs. 9,40,000 and expenditure Rs. 9,82,318. *Officers* : *Chancellor*, H. E. H. the Nizam of Hyderabad. *Pro-Chancellor*, H. H. the Nawab of Rampur. *Vice-Chancellor*, Dr. Sir Ziauddin Ahmad. *Pro-Vice-Chancellor*, Mr. A. B. A. Haleem, B.A. (Oxon.), Bar-at-Law. *Proctor*, Mr. S. M. Shafi, B. A. (Alld.) B. Sc. (Lond.), Bar-at-Law.

ALLAHABAD UNIVERSITY : Founded in 1887, was reorganized as a unitary, teaching and residential University in 1922. The control of its fourteen associated colleges was transferred to the Agra University in July 1927. At present there are only three institutions, associated with the University. Number of students in 1941-42 was ; Arts, 1,696 ; Science 588 ; Commerce, 212 ; Law (excluding those who read M.A. and Law together), 400. Total 2841. Income receipts in 1941-42 were Rs. 12,75,880 ; expenditure, Rs. 12,41,786. *Officers* : *Chancellor*, H. E. the Hon'ble Sir Maurice G. Hallet, K. C. S. I., C. I. E., I. C. S. *Vice-Chancellor*, Prof. Amaranatha Jha, M. A., F. R. S. L.

ANDHRA UNIVERSITY : Founded in 1926, it is an affiliating University with its own Honours College of Arts and Commerce, opened on 1st July, 1931 and associated Jeypore Vikrama Deo College of Science and Technology, opened on 4th July, 1932. There are altogether 21 colleges under this University. Number of students in 1939 was as follows : University Colleges, 214 ; First Grade Colleges, 2,485 ; Second Grade Colleges, 1,090 ; Professional Colleges. 399 ; Colleges for Oriental Studies, 269. The University depends on Government grants for routine expenditure. The Maharaja Saheb of Jeypore contributes Rs. one lakh for the maintenance of the Science Colleges. *Officers* : *Chancellor*, H. E. The Hon. Sir Arthur Oswald James Hope, G. C. I. E., M. C., Governor of Madras, *Pro-Chancellor*, Maharaja Sri Sri Sri Dr. Vikrama Deo Varma, of Jeypore (Orissa). *Vice-Chancellor*, Dr. C. Ramalinga Reddy, M. A. (Cantab.) M. L. C.

ANNAMALAI UNIVERSITY : Founded in July, 1929, it is the first unitary, teaching and residential University in South India. The University grants in Arts B. A. (Pass and Hons.), M. A. and M. Litt. ; in Science B. Sc. (Pass and Hons.), M. A. and M. Sc. ; and in Oriental Studies M. O. L., Vidwan, Siromani and Sangita Bhushana. *Officers* : *Chancellor*, H. E. The Governor of Madras ; *Vice-Chancellor*, M. Ruthnaswamy, M. A. (Cantab), Bar-at-law, C. I. E.

BENARES HINDU UNIVERSITY : Founded in 1916, it is teaching and residential University with twelve constituent colleges, of Arts, of Science, of Technology, of Theology, of Oriental Learning ; Ayurvedic College, Engineering College, Department of Mining and Metallurgy, Women's College, Teachers' Training College, Law College, and Institute of Agricultural Research. Its School Board manages three Schools. The University grants special diploma in Librarianship and in oriental subjects and studies, particularly in Sanskrit. The total number of students on March 31, 1942,

was 4209. Income as estimated for 1942-48, was over Rs. 19 lacs and the expenditure as estimated about Rs. 20 lacs. *Officers* : Lord Rector, H. E. The Viceroy of India ; *Visitor*, H. E. the Governor of U. P. *Chancellor*, H. H. the Maharaja of Bikaner ; *Pro. Chancellors*. H. H. the Maharaja of Jodhpur and Hon'ble Maharajadhiraj Dr. Sir Kameshwar Singh Bahadur of Darbhanga ; *Vice-Chancellor*, Prof. Sir S. Radhakrishnan, M. A., D. Litt. LL.D., F.B.A., *Pro. Vice-Chancellor*, Pandit Iqbal Narain Gurtu, M.A. LL.B., *Registrar*, Pandit G. P. Mehta, M. A.

BOMBAY UNIVERSITY : One of the first three Universities in India, created as early as 1857, it originally limited its function to examining of candidates and arranging for the courses leading up to the degrees only. It was in 1914 that post-graduate work came to function. In essentials, even now the University is an affiliating one, but a Department of Economics and Sociology has been provided for teaching and guiding research. A Department of Chemical Technology has also been inaugurated since August 1, 1994. Besides these two University institutions, its number of affiliated colleges is 48 ; 3 for Arts ; 22 for Arts and Science combined, 1 for Science ; 4 for Commerce ; 5 for Education, 2 for Agriculture, 2 for Medical, 2 for Engineering and 7 for Law. Total number of students reading various subjects in all the colleges was 26814 in 1941-42. The budget expenditure in 1941-42 was Rs. 15,93,955. *Officers* : *Chancellor*, H. E. Sir David John Colville. *Vice-Chancellor*, B. J. Wadia, M.A., LL.B., Bar-at-Law.

CALCUTTA UNIVERSITY : Founded on the 24th of January, 1857 in pursuance of the Despatch, sent by the court of Directors to the Governor-General of India in July, 1854, the university's original model was "the form, government and regulations of the University of London,..." but as necessity arose, it "changed and adopted them to the requirements of its own students." Initially a mere examining body, it began under Section 3 of Act VIII of 1904 to evolve and is yet evolving in multifarious ways, "which tend to the promotion of study and research." The Post-Graduate Department of the University is conducted by two Councils, the Council of Post-Graduate Teaching in Arts, and the Council of Post-Graduate Teaching in Science. The subjects taught are Sanskrit, Islamic Studies, Mediaeval and Modern Indian History, Philosophy, English, Economics, Indian Languages, Mathematics, Applied Mathematics, Fine Arts, Physics, Applied Physics, Chemistry, Applied Chemistry, Botany, Physiology, Zoology, Psychology, Anthropology, Bio-Chemistry and Hygiene and Public Health. Number of Post-Graduate students in 1988-89 was 1,253 Arts and 258 Science. There are altogether 73 affiliated colleges. *Officers* : *Chancellor*, H. E. Sir John Herbert, C. C. I. E. *Vice-Chancellor*, The Hon'ble Dr. Bidhan Chandra Roy, M. D. M. R. C. P., F. R. O. S.

DACCA UNIVERSITY : Created in July, 1921. The University is unitary teaching and residential. There are four residential units in Halls, controlled by Provosts. Subjects taught are : English, Arabic, Islamic Studies, Persian, Urdu, Sanskrit, Bengali, Philosophy, History, Economics, Political Science, Commerce, Mathematics, Physics, Chemistry, Bio-chemistry, Agricultural Chemistry, Physiology, Agriculture, Soil Science, Biology, Botany, Colloid Chemistry, Education and Law. Students in 1941-42 were : I. B.A. 216, II. B. A. 318, III. B. A. 114, I. M. A. 92 II. M. A. 175, I. B. Com. 38, II. B. Com. 57, I. B. Sc. 88, II. B. Sc., 145, III. B. Sc. 91, I. M. Sc., 19, II. M. Sc. 33, I. Law 21, II. Law 38, III. Law 13, Research students 28, B. T. 115. Total

(excluding B. T.) 1,421. Estimated revenue receipts and expenditure for 1942-43 are Rs. 10,44,388 and Rs. 11,49,640 respectively. *Chancellor*, H. E. Sir John Arthur Herbert, (Governor of Bengal, *Vice-Chancellor*, Dr. M. Hasan, Khan Bahadur, M. A., D. Phil. (Oxon).

DELHI UNIVERSITY : Consequent upon the Delhi University Act (Act VIII of 1922), this University was brought into being in the month of May same year. Three colleges of Delhi : St. Stephen's, Hindu and Ramjas were recognized and the teachers of these institutions became the teachers of the University. The original idea was to create a unitary, teaching and residential University, but it can hardly be called so in its present form with as many as seven constituent colleges. Numbers of students in 1941 were M. A., 189 ; B. A. (Pass and Hons.), and B. Sc., 1028 ; Intermediate, 2147 ; Total 3865 and Law 84. Estimated income and expenditure for 1940-41 were Rs. 2,22,596 and Rs. 2,21,00, respectively. *Officers* : *Chancellor*, H. E. The Most Hon'ble Victor Alexander John Hope, Marquess of Linlithgow, P. C., Kt., G. M. S. I., G. M. I. E., G. B. E., D. L., T. D., Viceroy and Governor-General of India. *Pro-Chancellor*, The Hon'ble Sir Jogendra Singh. *Vice-Chancellor*, The Hon'ble Sir William Spens, Chief Justice of India. *Registrar*, Rai Bahadur N. K. Sen, M. A.

LUCKNOW UNIVERSITY : Incorporated in December, 1920, the University is designed to be unitary, teaching and residential. This University now maintains two colleges, formerly affiliated to the Allahabad University—Canning College, and King George's Medical College. There are two other colleges forming the Women's Department of the University, not at present maintained by the University, viz., Isabella Thoburn College and Mahila Vidyalaya College. Number of students in 1938-39 was : Arts, 985 ; Commerce, 109 ; Medicine, 275 ; Science, 348 ; Law, 447 ; Oriental Department in Arabic, Persian and Sanskrit, 265. *Officers* : *Chancellor*, H. E. Sir Maurice G. Hallet, K. C. S. I., C. I. E., I. C. S., Governor of U. P. *Vice-Chancellor*, S. M. Habibullah, B. A., C. B. E., M. L. A.

MADRAS UNIVERSITY : Founded under the Act of Incorporation XXVII of 1857, and reorganized under Indian University Act No. VIII of 1904, Madras University Act No. VII of 1923, Amended Act XII of 1929, the University may be called federal in character. Although mainly an examining body, it has teaching and research arrangements in Economics, Indian History, Politics, Philosophy, Mathematics, Statistics, Botany, Bio-Chemistry and Zoology, also in Sanskrit, Islamic and Dravidian Languages, as well as in Indian Music. Constituent colleges, i. e., those within the University, number 15, and affiliated colleges number 82. Degrees and titles in Oriental studies such as B. O. L., M. O. L., Siromani, Vidvan, Munshi-i-Fazil, Afzal-ul-Ulama, Adib-i-Fazil, Sahib-i-Kamil, Afzal-ul-Atiba, Malpan and Soppar, and in Indian Music, such as B. Mus. and Sangita Siromoni, are a speciality of the University. *Officers* : *Chancellor*, H. E. The Hon'ble Sir Arthur Hope, G. C. I. E., M. C., Governor of Madras ; *Vice-Chancellor*, Lt.-Col. Diwan Bahadur A. Lakshmanaswami Mudaliar, M.D., F.R.C. & G., F.A.C.S., LL.D. ; *Registrar*, William Mclean Esq., M. B. E., M. A. B. L.

MYSORE UNIVERSITY : The first Indian State University incorporated in 1916. It is of Unitary type within the State. There are two centres. The one at Mysore has the University Office, University Library, Oriental Library, Archaeological Researches, Maharaja's College (for Arts), Medical College, Men's and Women's Intermediate Colleges. At Bangalore, there are, Central

(for Science) and Engineering Colleges and a College for Women combined with Intermediate Classes; Medical and Engineering Schools and Men's Intermediate College. Besides there are two mofussil Intermediate Colleges at Tumkur and Shimoga. University Unions have been established at both the University Centres. Number of students in 1942-43 is 880 in Arts, 803 in Science, 747 in Engineering, 336 in Medicine, 2,848 in all the Intermediate sections. Total number 5,614 as against 5,293 in 1941-42. The University is maintained by the Government of H. H. the Maharaja of Mysore. State grant for 1941-42, 14 lakhs. *Officers*: *Chancellor*, H. H. Sri Jayachamaraja Wadiyar Bahadur, Maharaja of Mysore; *Vice-Chancellor*, E. G. McAlpine, M.A., Dip. Edn., V. D., J. P.

NAGPUR UNIVERSITY. Formed on August 4, 1923, the University is mainly an examining body. Only the Law College is maintained by the University. There is provision, however, to make it both unitary and affiliating. There are 17 affiliated institutions. Number of students in 1941-42 was: *Arts*, Under-graduates, 2755; Post-graduate 184; *Science*, Under-graduate, 796; Post-graduate, 46; *Law*, Previous and Final LL. B., 890; *Education*, 179; and *Agriculture*, Under-graduates, 153. Income in 1941-42. (excluding deposits) was Rs. 2,23,686-5-2 and expenditure (excluding debt heads) Rs. 2,28,045-7-11. *Officers*: *Chancellor*, H. E. Sir Henry Joseph Twynam, K. C. S. I., C. I. E., the Governor of C.P. & Berar; *Vice-Chancellor*, Lt.-Col. T. J. Kedar, B. A., LL. B., M. L. A., *Registrar*, Rao Sahib S. N. Godbole, M. Sc.

OSMANIA UNIVERSITY: Established by a Charter in 1918, it is the first University in India to attempt imparting education by means of vernacular, which is Urdu. The University Translation Bureau is, therefore, a special feature. It is unitary, with four institutions at Hyderabad, Aurangabad, Warangal and Gulbarga for intermediate studies. There are: a Women's College, a College of Medicine, an Engineering College, and a Teachers' Training College; Number of students in 1942 was: *Arts and Science*, 2,296; *Theology*, 68; *Law*, 169; *Medicine*, 178; *Engineering*, 171; and *Education*, 24. Expenditure in 1942-43 came up to a total of O. S. Rs. 22,92,435 (British Rs. 100 = O. S. Rs. 116-10-8). *Officers*: *Patron*, H. E. H. the Nizam of Hyderabad; *Chancellor*, H. E. Col. Nawab Sir Mohammad Ahmad Said Khan Bahadur, K. C. S. I., K. C. I. E., M. B. E., LL. D.; *Vice-Chancellor*, The Hon'ble Nawab Mahdi Yar Jung Bahadur, M. A. (Oxon); *Pro-Vice-Chancellor*, Qazi Mohammad Husain, Esq., B.A., LL. B. (Cantab).

THE PUNJAB UNIVERSITY: Established in 1882. The University was for long only an examining body. But since 1919, teaching has been introduced. All Honours teaching is controlled by the University and there are also three colleges—the Oriental, Law, and the Hailey College of Commerce. Special feature is the recognition of Intermediate colleges with a four-year course. There are 61 affiliated colleges. Diplomas in Literary Titles in Oriental Languages are a special feature of the University. In 1938, 41,755 candidates in all appeared in various examinations. The revenue for the year ending 31st March 1939 amounted to Rs. 17,24,048 and the expenditure to Rs. 16,12,589. A Government grant of Rs. 2,91,416 was received in 1938-39. *Officers*: *Patron*, H. E. The Viceroy of India; *Chancellor*, H. E. Sir Henry Bertrand Glancy, Bart., K. C. I. E., C. S. I., C. S. I. E., I. C. S., Governor of the Punjab; *Vice-Chancellor*, Khan Bahadur Mian M. Afzal Husain, M. A., M. Sc., I. A. S.

PATNA UNIVERSITY : Established by Act XVI of 1917, the aim was to build up a central teaching University at Patna. But the Act has been amended and it is now an affiliating University. There are 23 affiliated colleges. Number of students in 1942 was ; Arts 5,059 ; Science 1,795 ; Medicine, 259 ; Engineering, 108 ; Education, 115 ; Law, 592 and Commerce, 209. Revenue receipts in 1936 were Rs. 3,00,117 and expenditure Rs. 2,73,422. *Officers :* *Chancellor*, H. R. Sir Thomas Alexander Stewart, K.C.S.I., K.C.I.E., I.C.S., Governor of Bihar ; *Vice-Chancellor*, Col. Dr. Sachchidananda Sinha, D. Litt. Bar-at-law, M. L. A.

TRAVANCORE, THE UNIVERSITY OF ; Founded in 1937, it is primarily a teaching University established at Triyandrum, though the four private Colleges in the State have been admitted to its privileges. The University maintains the following institutions : H. H. the Maharaja's University College, H. H. the Maharaja's College for Women, H. H. the Maharaja's Training College, H. H. the Maharaja's Law College, H. H. the Maharaja's Sanskrit College, The College of Engineering and the Institute of Textile Technology. Number of students in 1942-43, University College, Intermediate 668, B. A. 169, B. Sc. 346, B. A. (Hons.) 62, M. A. 17, B. Sc. (Hons.) 33, M. Sc. 2 ; College for Women, Intermediate 297 ; Training College 80 ; Law College 197 ; Sanskrit College 96 ; College of Engineering 232 ; Institute of Textile Technology 50 ; Union Christian College, Alwaye, Intermediate 295, B.A. 60, B.Sc. 85 ; St. Berchmans' College, Changanacherry, Intermediate 410, B.A. 81, B. Sc. 101 ; C. M. S. College, Kottayam, Intermediate 301 ; Scott Christian College, Nagercoil, Intermediate 240 ; No. of research students 19 ; Total 3,886. Estimated income for 1942-43 (including the State grant, Rs. 8,50,000) was Rs. 13,08,300 and expenditure Rs. 15,33,300 (including a Capital Expenditure of Rs. 4,00,000). *Officers :* *Chancellor*, His Highness Sir Bala Rama Varma, G.C.I.E., D.Litt., Maharaja of Travancore ; *Pro-Chancellor*, Her Highness Maharani Sotu Parvati Bayi, D.Litt. *Vice-Chancellor*, Sachivottama Sir C. P. Ramaswami Aiyar, K.C.S.I., K.C.I.E., LL.D. *Pro-Vice-Chancellor* Rajyasevapravina C. V. Chandrasekharan, M. A. (Oxon), *Registrar*, P. R. Parameswara Panikkar, M.A.

OTHER INSTITUTIONS

(FOR HIGHER EDUCATION)

BHANDARKAR ORIENTAL RESEARCH INSTITUTE (Poona) (See under Societies and Associations.)

BOSE RESEARCH INSTITUTE (Calcutta) : Estd. 1917 by Sir J. C. Bose to carry on his researches on the parity of life phenomena shown by plants and animals. Researches in Plant Physiology & Genetics, Bio- & Agric. Chemistry, Zoology & Animal Physiology, Anthropology & Physics undertaken at the Main Laboratories & Workshop. 93/1, Upper Circular Rd., Cal., Expmntl. Research Stn., Falta, & Bacheharaj Labty., Mayapuri, Darjeeling.

FOREST RESEARCH INSTITUTE & COLLEGES (New Forest P. O., Dehra Dun) : Estd. 1914 to research and give information on Silviculture, Botany, Entomology, Economic Forestry & Utilisation, Chemistry & Timber Development. Training in, & facilities for, research given to a few. The Ind. Forest & the Ind. For. Ranger Colls. attached have 2-yr. courses each only for Hons. Sc. graduates & Intermediates respectively, deputed by Provs. &

States ; fees p. a. Rs. 3,500 & Rs. 1,500, total costs—Rs. 11,000 and Rs. 5,265 respectively.

HARCOURT BUTLER TECHNOLOGICAL INSTITUTE (Cawnpore) ; Estd. 1921 as technological research Centre to promote industrial development of U. P. & India and recruit qualified technologists for the supervisory staffs of selected industries. Its General Research Section gives Sc. or Agric. graduates 2 yrs.' industrial research training and awards Diploma of Associateship of the Inst. (A. H. B. T. I.). The Oil Section teaches oil-seed crushing, oil refineries, soap works, paint & varnish works & holds short courses in oil milling, soap making & oil paints & varnishes.

IMPERIAL AGRICULTURAL RESEARCH INSTITUTE (New Delhi) ; Estd. 1934 to deal with problems of all-India importance, arrange for research, hold, 2-yr. post-graduate courses for chosen agric. & sc. graduates (Diploma of Associateship of I. A. R. I.) & supply agric. information & advice. The Agricul. Substation, Karnal, Imperial Sugarcane Breeding Stn., Coimbatore, Botanical Substn. Pusa, Locust Substation, Karachi, Potato Breeding Stn., Simla, & Tobacco Research Stn., Guntur are under it. Imp. Council of Agricul. Research bears the expenses of the last two stations.

INDIAN INSTITUTE OF PHILOSOPHY (Amalner, East Khandesh) ; Estd. 1916 to arrange research by fellows, chosen every June from among Sans.-knowing high-degree-holders in Phil., in Metaphysics. Logic, Indian Phil., Ethics & Phil. of Religion, especially in Shankar's Advaitic Phil. A dept. teaches Shastries West. Phil.

INDIAN INSTITUTE OF SCIENCE (Bangalore) ; Estd. 1911 by Sir Dorabji & Sir Ratanji Tata after their father Mr. J. N. Tata's plan, aided by India & Mysore Govts. Laboratories for postgrad. work in Physics, General, Bio- & Organic Chemistry & Electrical Technology. Library of over 28,000 sc. books and journals. Awards some research scholarships & stipends, Associateship Dip. after 5 terms of recognised research. & Certificates at end of generally 3-yr. courses. Its sc. work recorded in its Qrtly.

INDIAN SCHOOL OF MINES (Dhanbad) ; Estd. 1926 to teach on lines of Royal School of Mines, London. Adm. exm. of I. A. or I. Sc. passed cands. every July ; on its results India & Prov. Govts. award some scholarships (Rs. 80 to Rs. 75 p. m.). 3-yr. certificate courses in Coal & Metal Mining & Geology. & 4-yr. Associateship Dip. courses in Mining Engr. & Geology.

SRIMATI NATHIBAI DAMODER THACKERSEY INDIAN WOMEN'S UNIVERSITY (Bombay) ; Estd. 1916 to afford, through proper aided & affld. instns., higher educ. to women through Ind. Vernaculars & confer degrees (G. A. & P. A.), diplomas & certifs. Has 2 colleges at Poona & Bombay. 2 affld. colleges at Ahmedabad & Baroda, & some collgt. classes & schools.

THOMASON COLLEGE OF CIVIL ENGINEERING (with Mathematics, Physics and Chemistry) (Roorkee) : Estd. 1847. 3-yr. Civil Engr. Course for min. I. Sc. or Camb. Sch. Cert. holders for C. E. Dips. & P. W. D. Asst. Engineer-ship Certs. 2-yr. Overseer course for Matrics. for Overseer Certs.

VISVA-BHARATI (Bolpur, Bengal) : Estd. 1922 by Dr. Rabindranath Tagore as an internatl. Univ. upon the nucleus of Santiniketan Asram (estd. 1861), to bring up the diverse Eastern cultures into more intimate mutual relationship, approach, from the standpoint of their unity, western science & culture, and realise, in fellowshp of study & humanitarian work the concord

of East & West. Conducts Vidyabhavana (School of Research in Indology and Islamic culture), Cheena-Bhavana (School of Sino-Indian studies), Shiksha-Bhavana (College), Kala-Bhavana (School of Fine Arts & Crafts), Sangit-Bhavana (School of Music & Dancing) Patha-Bhavana (The School), Sriniketan (Institute of Rural Reconstruction) and Silpa-Bhavana (Dept. of Cottage industries and handicrafts).

Educational Statistics

INSTITUTIONS WITH SCHOLARS . 1939-40

<i>Recognised Institutions</i>	<i>No. of Institutions</i>	<i>No. of Scholars</i>
Arts and Science colleges	304	119,536
Law colleges	15	6,749
Medical colleges	12	5,640
Educational colleges	25	2,229
Agricultural colleges	6	1,469
Engineering colleges	7	2,000
Other colleges	16	7,281
Secondary schools	14,214	2,659,201
Primary schools	189,751	11,445,872
Normal & Teacher's Training schools	600	29,806
Technical & Industrial schools	633	37,680
All other special schools	9,854	385,981
<i>Total</i>	<i>215,437</i>	<i>14,704,294</i>
Unrecognised Institutions	20,052	592,105
<i>Grand Total</i>	<i>235,489</i>	<i>15,296,399</i>

RECOGNIZED INSTITUTIONS IN BRITISH INDIA 1939-40

<i>Province</i>	<i>Colleges</i>	<i>Schools</i>
Madras	77	42,188
Bombay	82	21,823
Sind	5	3,041
Bengal	77	62,000
United Provinces	78	24,974
Punjab	50	12,197
Bihar	17	23,606
Orissa	6	7,908
Central Provinces & Berar	16	6,178
Assam	11	8,856
North-West F. P.	4	1,166
British Baluchistan	—	107
Ajmer-Merwara	2	251
Coorg	—	123
Delhi	8	331
Bangalore	1	95
Administered Areas in Indian States	1	118
<i>Total</i>	<i>368</i>	<i>2,15,052</i>

DISTRIBUTION OF EDUCATION BY SEX (1939-40)

	(No. of Institutions)		(No. of scholars)	
	Male	Female	Male	Female
Colleges	339	46	140,088	4,816
Schools	184,793	30,475	12,669,616	1,889,774
Unrecognized Institutions	15,799	4,259	479,742	112,363
<i>Total</i>	200,925	34,564	13,289,446	2,006,953

SCHOLARS ATTENDING RECOGNISED INSTITUTIONS
IN BRITISH INDIA : 1939-40

<i>Province</i>	<i>College Students</i>	<i>School Students</i>
Madras	18,518	3,288,214
Bombay	17,789	1,735,914
Sind	2,282	219,923
Bengal	43,026	3,582,018
United Provinces	24,211	1,771,246
Punjab	20,077	1,207,516
Bihar	6,067	1,129,470
Orissa	992	335,248
Central Provinces & Berar	3,921	517,576
Assam	3,299	517,174
North-West F. P.	976	108,720
British Baluchistan	—	8,952
Ajmer-Merwara	382	27,123
Coorg	—	13,161
Delhi	2,877	53,313
Bangalore	483	17,692
Administered Areas in Indian States	6	26,218
<i>Total</i>	144,904	14,559,390

DISTRIBUTION OF EXPENDITURE ON EDUCATION : 1939-40

	(In Lakhs of Rupees)
University	1,88'4
Board of Secondary and Intermediate Education	4'2
Arts and Professional Colleges	3,00'5
Secondary Schools	8,76'3
Primary Schools	8,97'5
Normal and Training Schools	47'6
All other Special Schools	1,40'4
Direction and Inspection	1,11'3
Buildings, Furniture and Apparatus	1,57'1
Miscellaneous	2,35'5
<i>Total</i>	29,08'8

EXPENDITURE ON EDUCATION IN EACH PROVINCE

(In Lakhs of Rupees)

<i>Province</i>	<i>From Govt. Funds</i>	<i>Total expenditure</i>
Madras	Rs. 2,92'5	Rs. 5,98'8
Bombay	1,97'0	4,38'8
Sind	81'1	71'8
Bengal	1,80'1	5,27'2
United Provinces	2,18'7	4,25'5
Punjab	1,69'9	3,46'4
Bihar	51'2	1,73'8
Orissa	27'1	42'4
C. P. & Berar	53'2	1,19'5
Assam	35'0	64'0
N.-W. F. P.	22'1	38'8
British Baluchistan	2'6	4'7
Ajmer-Merwara	4'4	10'9
Coorg	1'2	2'4
Delhi	10'7	30'3
Bangalore	3'8	10'4
Administered Areas in Indian States	3'6	14'1
Total 1939-40	18,03'7	29,08'8

CLASSIFICATION OF EXPENDITURE ON RURAL EDUCATION
BY PROVINCES AND BY SOURCES

(In Lakhs of Rupees)

<i>Province</i>	<i>From Govt. funds</i>	<i>From Dist. Board funds</i>	<i>From other Sources</i>	<i>Total</i>
Madras	1,64'8	78'7	59'5	2,98'0
Bombay	96'6	14'4	14'5	1,25'6
Sind	14'8	6'7	2'8	24'2
Bengal	61'2	15'7	1,27'7	2,04'6
United Provinces	67'2	27'9	10'7	1,05'8
Punjab	79'3	22'8	14'8	1,16'8
Bihar	7'1	42'6	33'5	83'2
Orissa	15'3	2'4	6'9	24'6
C. P. & Berar	16'0	18'8	2'2	37'1
Assam	18'6	6'2	7'5	27'4
N.-W. F. P.	13'4	1'3	2'4	17'1
British Baluchistan	0'8	...	...	0'8
Ajmer-Merwara	1'1	0'1	0'3	1'6
Coorg	0'2	0'5	...	0'7
Delhi	1'4	0'2	0'4	2'1
Bangalore	...	...	...	...
Administered Areas in Indian States	...	...	0'3	0'3
Total 1939-40	5,52'8	2,38'3	2,88'5	10,69'9

SOURCES OF EXPENDITURE ON EDUCATION
IN BRITISH INDIA : 1939-40

		(In Lakhs of Rupees)
Government Funds	...	13,08'8
Board Funds	...	2,42'9
Municipal Funds	...	1,76'2
Fees	...	7,78'6
Other sources	...	4,07'8
	<i>Total</i>	29,08'8

RESULTS OF EXAMINATION IN DIFFERENT UNIVERSITIES
IN INDIA—1940

<i>University of</i>	<i>Matric*</i>	<i>I.A.†</i>	<i>I.Sc.‡</i>	<i>B.A. Hons.</i>	<i>B.A. Pass</i>	<i>B.Sc. Hons.</i>	<i>B.Sc. Pass</i>	<i>M.A.</i>	<i>M.Sc.</i>
Madras	89	2,631(b)	—	144	815	45	235	46	13
Andhra	31	1,019(b)	—	11	304	9	46	1	20
Annamalai	—	165	—	26	23	22	34	—	—
Bombay	9,323(a)	1,753	1,081	594	618	—	535	188	41
Calcutta	13,875	5,286	2,521	457	2,248	197	521	552	109
Dacca	—	—	—	71	102	25	47	93	40
Allahabad	—	—	—	45	362	11	71	321	94
Lucknow	—	—	—	68	252	7	55	160	31
Benares	627	113	141	—	149	—	60	44	26
Agra	—	—	—	—	657	—	125	148	33
Aligarh	196	170	85	4	131	—	40	90	20
Punjab	16,905	2,925	1,040	175	1,732	—	147	330	42
Delhi	—	394	125	53	190	—	48	42	—
Patna	5,996	898	353	165	340	25	86	80	18
Nagpur	—	452	133	7	286	2	50	84	13
Mysore	—	211	369	29	111	27	113	16	21
Osmania	1,215	168	127	—	72	—	39	23	22
Travancore	—	316(b)	—	—	50	—	86	—	—
<i>Total</i>	48,257	16,501	5,976	1,849	8,450	370	2,347	2,168	543

* Excluding 514 school final passes under Dacca Inter and Secondary Board ; 10,860 under U. P. Board ; 2,601 under C. P. Board ; 752 under H. S. L. C. Board (Hyderabad) ; 1,056 under Delhi Board and 399 under Rajputana Board.

† Excluding 332 ; 2,604 and 72 I. A. passes under Dacca, U. P. and Rajputana Boards respectively.

‡ Excluding 139 and 14 I. Sc. passes under Dacca and Rajputana Boards respectively.

(a) Bombay Matric serves the purpose of School-leaving examination.

(b) Represents figures Arts and Science.

LOCAL SELF-GOVERNMENT

DISTRICT & LOCAL BOARDS

The total number of District Boards in British India in 1939-40 was 762, the total number of members being 10,402—8,886 elected and 2,016 *ex-officio* and nominated. The total income and expenditure for the year were Rs. 16·7 and Rs. 16·9 respectively. The principal sources of income were—Provincial Rates Rs. 493 lakhs ; Civil Works, Rs. 224 lakhs ; and other sources, Rs. 954 lakhs. The principal heads of expenditure were : Education Rs. 653 lakhs ; Civil Works Rs. 896 lakhs ; Sanitation, Hospital, etc. Rs. 221 lakhs ; Debt Services and miscellaneous, Rs. 428 lakhs.

MUNICIPALITIES

The total number of Municipalities in British India in 1939-40 was 756, the total population of the areas within municipal limits being 22 million. The total number of members of the Municipal Committees was 12,687 of whom 12,821 were non-official and 866 official. The total income and expenditure during the year were Rs. 44·3 crores and Rs. 44·28 crores respectively.

DISTRICT AND LOCAL BOARDS

<i>Province</i>	<i>No. of Boards</i>	<i>Total Rs.</i>	<i>Incidence of Taxes Rs. As. p.</i>	<i>Total Rs.</i>
Madras	377	5,03	0-14-10	5,05
Bombay	20	2,12	1- 4- 2	2,15
Sind	8	47	1- 4- 8	47
Bengal	110	1,65	0- 4- 9	1,73
United Provinces	48	1,99	0- 7- 0	2,07
Punjab	29	2,39	1- 2-10	2,41
Bihar	15	1,35	0- 7- 8	1,35
Orissa	19	30	0- 6- 4	30
C. P. & Berar	108	78	0- 8- 8	76
Assam	19	36	0- 7- 6	36
N.-W. F. P.	6	17	0-12- 8	17
Ajmer-Merwara	1	1	0- 8- 6	1
Coorg	1	1	0-15-10	1
Delhi	1	3	1-13- 8	3
<i>Total</i>	<i>762</i>	<i>16,70</i>	<i>0- 9-11</i>	<i>16,93</i>

**POPULATION AND CONSTITUTION OF MUNICIPALITIES
WITH INCOME AND EXPENDITURE]**

<i>Province</i>	<i>No. of Municipalities</i>	<i>Population within Municipalities*</i>	<i>Income</i>	<i>Expenditure</i>
Madras (excluding Madras city)	81	3,027,502	2,85'5	2,84'5
Madras city	1	647,230	1,27'3	1,88'3
Bombay (excluding Bombay city)	129	2,696,468	3,68'3	3,56'9
Bombay City	1	1,161,883	23,75'7	23,58'7
Sind	26	658,569	1,11'1	1,09'6
Bengal (excluding Calcutta)	118	2,351,407	1,13'7	1,20'7
Calcutta	1	1,159,486	3,96'6	3,90'9
United Provinces	85	3,414,859	1,99'3	1,98'7
Punjab	122	2,686,026	1,70'7	1,84'6
Bihar	57	1,348,185	15'8	40'6
Orissa	8	222,565	8'1	8'1
C. P & Berar	82	1,491,873	94'6	92'4
Assam	28	220,882	14'2	14'4
N.-W. F. P.	7	220,966	17'1	17'4
British Baluchistan	1	36,583	11'7	8'9
Ajmer-Merwara	4	157,747	7'9	8'3
Coorg	2	9,827	0'4	0'4
Delhi	2	412,447	74'4	80'9
Bangalore	1	134,123	13'9	14'3
Total	756	22,052,628	44,31'3	44,28'6

INCOME AND EXPENDITURE OF MUNICIPALITIES

SOURCES OF INCOME, 1939-40

In Lakhs of Rupees

Octroi	1,64'2	Receipts from markets and	
Tax on houses and lands	5,37'3	slaughter houses	66'8
Tax on animals and vehicles	46'5	Fees from educational	
Tax on professions and trades	33'7	Institutions	19'8
Tolls on roads and ferries	31'1	Other fees, etc.	65'2
Water rates	2,34'8	Fines	8'6
Lighting rate	38'6	Grants from Governments	1,10'3
Conservancy rates	1,04'0	Grants from Local funds	6'3
Other taxes	1,81'4	Other grants and contributions	5'8
From Pounds, Hackney		Miscellaneous	1,05'5
carriages, Licences for		Sale proceeds of securities	5,74'5
Sale of Spirits and		Loans from Government	35'6
Drugs, etc.	10'1	Loans raised from private	
Rents of lands, houses, etc.	51'0	individuals	1,88'0
Sale proceeds of lands and		Realisations of sinking fund	68'0
produce of lands, etc.	29'8	Advances	2,07'0
Conservancy receipts (other		Deposits	14,40'9
than rates) etc.	10'2	Total	4,875'0

Mainly based on 1931 census.

HEADS OF EXPENDITURE, 1939-40

In Lakhs of Rupees

General administration and collection charges	1,78·6	Roads	1,61·8
Lighting	1,28·5	Buildings	46·5
Police	1·3	Establishment	32·0
Fire, etc.	16·8	Stores	1·8
Water supply (including capital outlay)	1,87·3	Miscellaneous	14·5
Drainage (including capital outlay)	97·6	Public Instruction	2,46·9
Conservancy	2,50·4	Contributions for general purposes	50·4
Hospitals and Dispensaries and Vaccination	1,08·3	Interest on loans	1,43·5
Plague charges	4·0	Other Miscellaneous Expenditure	1,64·2
Markets and slaughter-houses	23·8	Investments	5,95·3
Arboriculture, public gardens, etc.	19·6	Payments to sinking funds	72·7
Sanitary	38·5	Repayment of loans	1,65·4
		Advances	2,27·7
		Deposits	14,35·8
		<i>Total</i>	<i>44,12·7</i>

PRINCIPAL PORTS

Practically five-sevenths of India's foreign trade is concentrated in six ports: Calcutta, Bombay, Karachi, Madras, Cochin and Vizagapatam, to name them in order of their importance, of which Bombay, Karachi, and Cochin alone are natural harbours. The major ports of Calcutta, Bombay, Rangoon, Karachi, Madras and Chittagong are placed under Port Trusts or Port Commissioners,—bodies, partly elected and partly nominated, who have certain wide powers vested in them by law. In the following are reviewed the principal features of different ports.

PORT TRUSTS : CONSTITUTION, INCOME, EXPENDITURE AND DEBT

<i>Ports</i>	<i>Classification of Members</i>					<i>In Lakhs of Rupees</i>		
	<i>No. of Members</i>	<i>Nominated</i>	<i>Elected</i>	<i>Europeans</i>	<i>Indians</i>	<i>Income</i>	<i>Expenditure</i>	<i>Capital Deb</i>
Calcutta	19	7	12	14	5	356	331	21,29
Bombay	22	9	13	12	10	271	258	17,95
Madras	15	5	10	9	6	46	47	1,42
Karachi	15	6	9	8	7	73	66	3,86
Chittagong	12	5	7	8	4	9	6	48
<i>Total 1939-40</i>	<i>88</i>	<i>32</i>	<i>51</i>	<i>51</i>	<i>32</i>	<i>755</i>	<i>708</i>	<i>44,45</i>

TOTAL SHIPPING OF PRINCIPAL PORTS
FOREIGN AND COASTAL (1939-40)

Ports	Number	Tons (thousands)
Bombay	88,555*	12,724
Calcutta	2,968	9,061
Karachi	10,727	5,155
Madras (Fort St. George)	1,416	5,104
Tuticorin	2,141	2,514
Cochin	2,302	3,539
Chittagong	887	1,064

TOTAL SEA-BORNE TRADE, FOREIGN AND COASTAL IN PRIVATE
MERCHANDISE OF EIGHT PRINCIPAL PORTS (1939-40)

Bombay	Rs. (lakhs)	Fort St. George (Madras)	Rs. (lakhs)
Imports	79.07	Imports	16.00
Exports	59.16	Exports	16.53
Total	138.23	Total	32.53
<i>Calcutta</i>		<i>Cochin</i>	
Imports	59.12	Imports	7.03
Exports	110.09	Exports	8.92
Total	169.21	Total	15.95
<i>Karachi</i>		<i>Tuticorin</i>	
Imports	28.21	Imports	5.21
Exports	29.51	Exports	4.84
Total	52.72	Total	9.55
		<i>Chittagong</i>	
		Imports	4.63
		Exports	7.93
		Total	12.56

PORTS IN INDIA

Alleppey : The premier port in Travancore, 35 miles south of Cochin. The chief exports are copra, coconuts, coir fibre and matting, cardamoms, ginger and pepper.

Beds : In the state of Nawanagar, situated a few miles from the city of Jamnagar. Bedi offers no port facilities in the accepted sense of the term, as vessels have to cast anchor miles away in the waters of the Gulf of Cutch.

Bhavnagar : Port facilities comprise an anchorage of 8 miles or more

from the port proper, between which and large vessels goods are moved in lighters. Ample warehouse accommodation and good direct railway communication are available.

Bimlipatam : 22 miles north-west of Waltair. The imports are of little importance. There are considerable exports of Bimlipatam jute, myrobalsans, niger and gingelly seeds, and groundnut kernels.

Bombay : †The harbour, one of the safest and most spacious in the world, covers 74 square miles and provides

* Includes 78,996 sailing vessels.

† See Tables in p. 252-3.

ample accommodation for shipping at all seasons, being 14 miles long, 4 to 6 miles wide with a depth varying from 22 to 40 feet. There are three enclosed Wet Docks and two Dry Docks. Between 10 and 14 million tons of cargo are handled annually over the dockquays. Besides the docks there are a number of "Bunders" or open wharves, comprising an aggregate quayage of 30,000 lineal feet. The Port Trust Railways, $7\frac{1}{2}$ miles in actual length but comprising nearly 120 miles of lines and sidings, handles nearly 50 per cent of the railborne goods traffic of Bombay. The Great Bulk Oil Installations are some 33 acres in extent. The Cotton Depot covering an area of 127 acres is one of the largest in the world. The Grain Depot, a model of its kind, is 80 acres in extent and provides more than one million square feet of covered accommodation. Besides there are several other storage depots for trades, such as manganese ore, coal, building materials, hay and straw, etc. The total area of the Port Trust estates is 1,180 acres, or approximately one eighth of the Bombay City and Island. The Bombay Port Trust consists of a whole-time Chairman, appointed by Govt., and twenty-two members, of whom nine are nominated. Of the raw materials brought down to the port for export the most important is cotton, other principal items being coal, hides, cotton twist and yarn, grain and seeds, and manganese ore, while bullion, cotton manufactures, hardware, metals, machinery, kerosene oil, sugar and timber are chief imports.

Calcutta* : The port serves the great jute, tea and coal industries of Bengal, the wheat and seeds traffic of Bihar and the United Provinces, and generally the agricultural areas, tapped by the East Indian, Bengal Nagpur and Eastern Bengal Railways

and by the waterways connecting the delta with the interior of Bengal and Assam. The port includes the Calcutta jetties, all lands comprised in the area occupied by the King George's Dock and Kidderpore Docks. The Garden Reach jetties are latter additions to the port. Budge Budge is the oil depot for Calcutta, where petrol and kerosene and other oils in bulk are discharged and has strong installations of a total capacity over 50,000. 000 gallons. Five Dry Docks owned by the Port Commissioners are available for the use of shipping. The Commissioners provide extensive warehouse accommodation, consisting of two tea warehouses, a grain and seeds Depot at Kantapukur, "A" and "B" sheds at Kidderpore, and the Fairlie, Clive, Canning and Strand warehouses. The affairs are administered by a Port Trust, founded in 1870, at present comprising a Chairman, a Deputy-Chairman and nineteen Commissioners, of whom twelve are elected and seven nominated.

Calcut : The sea being very shallow, steamers anchor about three miles from shore. There are two piers about 1,200 yards apart, each 775 feet long and ten wharves along the bank. The lighthouse is visible 12 miles out to sea. The principal exports are coir, coir fibre, copra, coffee, tea, pepper, ginger, rubber, groundnut, raw cotton and fish manure. The foreign import consists of metals, machinery, provisions, sugar, cotton piecegoods, cement, pepper, wet dates and kerosene oil.

Chittagong* : Declared a major port on the 1st April 1926, administration has been transferred from the Government of Bengal to the Government of India. The export trade consists chiefly of tea, jute, wax, cotton, rice, paddy, oils, provisions, spices, tobacco, poultry and livestock. The import consists chiefly of salt, iron and steel materials, cotton piecegoods, machi-

* See Tables in P. 252-58.

nory, hardware, cutlery, liquors, chemicals, drugs and oils. There are 4 jetties 2,100 feet long, and seven sheds, of which three are storage sheds and four transit sheds. The port has now the capacity of dealing with ships of draft ranging from 22 feet to 26 feet.

Coonada : Some 80 miles south of Vizagapatam. There are 42 jetties and wharves from which goods may be shipped. The principal exports are raw cotton, groundnuts, castor-seeds, the imports being kerosene, sugar and metals. Is connected by a branch line (10 miles) from Smalkot with the main line.

*Coonn** : Is the most important port between Bombay and Colombo, the system of backwaters parallel with the coast affording cheap transport and excellent waterways, connecting several places of importance. There is a flashing light with an optical range of 16·3 miles. There has been a steady increase of late in the number of steamers entering and clearing the port which in 1938-39 was 2,295, their aggregate tonnage being 4,181,000.

Cuddalore : Cuddalore Old Town is on the main line of the South Indian Railway and is connected with the port by a siding. The coasting trade consists mainly of grain and pulse. The foreign import trade is chiefly of bonied betelnuts from the Straits.

Cuttack and False Point : Cuttack is connected with Chandabali by canal, between which a small inland steamer trade exists. The port of False Point has been closed since October 22, 1924. The long and deeper draft steamers cannot enter such small ports as Balasore, Chandabali and False Point and hence the trade has now been caught by the Railway and carried to larger ports like Calcutta.

Dhanuskodi : Terminus of the South Indian Railway, this port

was opened on the 1st March 1914. The chief exports are fish (dry and salted), rice, tea, and cotton piece-goods.

Gopalpur : Ten miles from Berhampur on the Bengal Nagpur Railway. The foreign trade consists mainly of imports of dutiable cargo from foreign countries brought by transhipment from Madras and Rangoon and from Ceylon direct.

*Karachi** : Since 1907 recognized as a major port and is the headquarters of a Collector of Imperial Customs service. Has a population of 2,60,000. With the opening of the Lloyd Barrage and canals system at Sukkur in January 1932, it has the prospect of still further development. The introduction of the air mail services between India and foreign countries in 1929 made it the leading air-port of India. The facilities include a continuous line of wharfage 8,600 feet in length on the east and on the west, four new berths of modern construction of a total length of 1,900 feet. There are two other ports in Sind, Keli Bandar and Sirganda. South of Sirganda is Madvi, the chief port of Cutch.

Karikal : Is an open roadstead and has no direct trade with France but there is a considerable rice traffic by country boat with Ceylon and the Straits Settlements. In 1934, 2·7 million imperial gallons of oil were imported by sea. Chief traffic is rice, betelnuts, matches, fireworks and kerosene oil.

*Madras** : The Harbour has been formed by two concrete works projecting into the sea, enclosing a space of about 200 acres, within which as many as 14 vessels drawing up to 31'·6" can be accommodated. There are seven wharves; seven mooring berthes inside the harbour and one berth outside. Oil from bulk oil steamers is pumped ashore direct through the pipes into

* See Tables in P. 252-53.

the merchants' installations. The warehouse accommodation covers 16 acres. The affairs of the port are administered by the Madras Port Trust Board consisting of fifteen members, of whom five are nominated. The chief imports into Madras are rice, foodgrains, coal, oils, manures, paper and stationery, timber, sugar, dyeing and tanning substances, metal, glass and glassware, chemicals, hardware, machinery, motor vehicles, cycles and accessories, cotton manufactures, provisions, railway plant and rolling stock, building materials including cement, skin and hide, liquors, spices, fodder, bran and cattle food, cotton twist and yarn, tobacco, fruits, and vegetables, gunnies, matches, raw cotton, soaps, apparel; and the chief exports; groundnuts, skins and hides, onions, tobacco, raw cotton, ores, scrap iron, kerb stones, cotton manufactures, oilcakes, turmeric, manures and coffee.

Mangalore : At the junction of the Gopur and Netravati river, about 180 miles south of Mormugao. Is the north-western terminus of the South Indian Railway. Chief exports are pepper, tea, cashew kernels, coffee, sandalwood, rubber, tiles, rice, salt fish, dried fruits and fish manures. Sugar is imported from Java.

Masulipatam : Connected by a branch line from Bezwada with the main line from Madras to Calcutta. The principal exports are groundnuts, castor-seeds and oilcake.

Mormugao : Situated on the eastern extremity of the peninsula of that name in Portuguese India. Is the terminus of the west of India Portuguese Railway, worked since 1903 by the Madras and Southern Mahratta Railway. Is a distributing port and her foreign exports consist particularly of manganese, groundnuts, cotton, cocoanuts and occasionally manganese ore.

Negapatam : In the Tanjore district. About 18 miles south of Karikal. The port enjoys considerable foreign sea-borne trade. Exports are groundnuts, cotton piecegoods, tobacco and fresh vegetables.

Okha : Lies in a strategic position at the extreme north-east point of the Kathiawar peninsula. The harbour scheme has been well designed modern in conception. Available even to the largest ships at all states of tides, disadvantage being the approach channel from the sea, which is circuitous and not devoid of risk. Is far removed from large centres of populations, being 231 miles from Wadhwan Junction.

Pondicherry : Capital of the French settlements in India. Is the centre of the export trade in groundnuts from French territory. Connected with the main line of the South Indian Railway by a branch. The principal exports are shelled groundnuts, unbleached cloth, ghee, onions, mangoes, and bonemeal manure. The chief imports are raw cotton, arecanuts, foodstuffs, cement, wood and other building materials, wines, spirits, cotton piecegoods, silk-piecegoods, silver, sugar, saccharine and gold lace. The combined value of the imports into and from Pondicherry and Karikal in 1934 amounted to 307,858,882 francs (imports 189,839,264 and exports 168,519,618).

Porbandar : Was at one time prosperous, but its foreign trade is now chiefly coastwise.

Puri : An open roadstead. Few steamers have visited the port of late years. Has an oscillating light visible for 10 miles.

Quilon : Is on the Shencotta-Quilon-Trivandrum branch of the South Indian Railway. The chief exports are cocoanut oil, coirmats, timber and fish. The foreign trade is insignificant.

* See Tables in P. 252-3.

Surat: One of the earliest and most important of the East India Company's factories. Most of its trade has now been transferred to Bombay owing to the linking up of the ports by the Bombay, Baroda and Central India Railway.

Tellicherry: Situated on the Calicut-Mangalore extension of the South Indian Railway. Steamers can work at Tellicherry even during the monsoon. The principal exports are coffee and pepper, copra, sandalwood, tea, ginger, cardamom and rose-wood. The normal sea-borne traffic is above 500,000 tons.

*Tutucorin**: Next to Madras and Cochin has the largest trade in Southern India. Steamers anchor about 5 miles from the shore and

continuous dredging is necessary. There is a considerable trade with Ceylon in rice, pulses, onions, chillies, and livestock. Other chief articles of export are raw cotton, tea, senna leaves, palmyra fibre and cardamoms.

Vizagapatam: Two miles from Waltair, the junction of the Madras and Southern Mahratta with the Bengal-Nagpur Railway. The principal exports are manganese, myrobals, niger and rape seeds, and oil-cakes. With the construction of a first class harbour, Vizagapatam has been declared to be a major port and is now the centre of new shipbuilding industry in India. Its sea-borne trade is increasing year after year.

PRINCIPAL TRADING CENTRES IN INDIA

Agra: Manufactures are carpets, *daris*, embroideries and stone works. A collecting centre for quality hides.

Ahmedabad: Important industrial centre in the Bombay presidency. Contains more than a hundred cotton mills.

Allahabad: Important railway centre.

Amraoti: Centre of cotton industry of Deccan and Berar.

Amritsar: Entrepot trade in piecegoods. Large business in skins and hides. Carpet industry is well known. An important storehouse for grains. Two "Option" and "Future" markets for wheat.

Asansol: One of the chief centres of coal industry in India.

Bangalore: Manufactures are carpets, cotton textiles, woollen goods and leather. Miscellaneous industries such as soap, porcelain, shellac, furniture, gas-mantles, white lead and cigarettes.

Benares: Considerable silk and weaving industry.

Bombay: Outstanding industrial features are cotton spinning, weaving mills, dyeing and bleaching works, metal stamping factories and hydro-electric works at Lonavla and in the Andhra valley. Distributing centre for very large imports of cotton manufactures. A most important market for oilseeds. Valuable crushing and oil refining industry. Considerable trade in oil-cake with the United Kingdom.

Calcutta: Centre of the jute manufacturing industry. There are flour and paper mills, match factories, chemical works, rice mills, oil mills, iron foundries, tanneries, etc. 150 miles away at Jamshedpur are the Tata Iron and Steel Works. An important centre for the export of tea. Home of miscellaneous industries, such as soap, perfumery, toilet goods, enamelled and porcelain ware, glassware,

See Tables in P. 252-58.

galvanised ware, celluloid and horn articles, cardboard boxes and tin cans, hats, waterproof cloth, etc. Coal is also an important commodity for trade. The bulk of the raw hide and skins is exported from Calcutta.

Cawnpore : A distributing centre for the imports of Manchester piece-goods, hardware and machinery. Factories produce leather goods, woollens, cotton textiles and tents. There are flour mills, oil mills, bristle factories, chemical works and a number of flourishing minor industries.

Dacca : There are a number of handlooms working. Collecting centre of hides and skins.

Delhi : An important clearing house in cotton, silk and woollen piece-goods. There are cotton spinning and weaving mills, a biscuit factory and several flour mills. Noted for ivory carving, jewellery, lace-work, silversmiths' work, pottery and gold and silver embroidery, embroidered (*jardar*) shoes, lamb skin and fur trades. A buying centre for milch cattle and buffaloes.

Hyderabad : Centre of considerable cotton trade.

Jaipur : Famous for its artistic pottery and brassware.

Jubbulpore : Contains a central gun carriage factory, a spinning and weaving mill, pottery works and railway workshops.

Karachi : An important distributing centre for Punjab and Sind wheat. Is the most important air-port in India.

Lahore : Trading centre for the agricultural produce of the province.

Lashkar (Gwalior) : Contains a number of State-owned factories. Centre of an important stone quarrying and carving industry. Gaining importance in tobacco trade.

Lucknow : Distributing and collecting centre for the agricultural produce of Oudh.

Madras : Industrially of no great importance. An exporting centre for groundnuts, tobacco, and tanned hides and skins.

Madura : Silk and cotton weaving and dyeing industries.

Mirzapur : Considerable brass industry for the manufacture of domestic utensils. Important bellac and carpet factories.

Mysore : Famous for the manufacture of sandalwood oil, silk, ivory, sandalwood carving and incense sticks.

Nagpur : Commercial importance due to weaving mills, cotton ginning and pressing factories and manganese deposits in the neighbourhood.

Rangoon : Chief industry is rice milling. There is a large export trade in timber, oil, pig lead and paraffin wax.

Sialkot : Centre of the sports goods industry in the Punjab.

Srinagar : Famous for its embroideries, carved wood-work and the largest silk filature in India.

Vazagapatam : Manganese ore, myrobalan, groundnuts, and tobacco.

COMMERCIAL ORGANIZATIONS

(In the present edition the materials so kindly supplied by organizations could not be duly utilised for dearth of space. *Ed.*)

AHMEDABAD MILLOWNERS' ASSOCIATION : Estd. 1891 to protect and develop trade, commerce and manufactures, especially the cotton trade in India, and to promote good relations between employers and employees. Has ever encouraged the Trade Union Movement at the centre and kept up harmonious relationship with the local Textile Labour Assn. A recognised assn. of

employers of cotton textile industry in Ahmedabad for the purposes of Bombay Industrial Disputes Act, it can represent its members in all proceedings under the Act. Committee of 14 members.

ALL INDIA ORGANISATION OF INDUSTRIAL EMPLOYERS (28, Ferozeshah Rd., New Delhi) : Estd. 1932 to nominate employers' delegates to Internatl. Lab. Confce., League of Nations and Internatl. Chamb of Comm., deal with I. L. O.'s recommendations and conventions, promote industrial development and regulate conditions of labour employment. Subs. p. a. for industrial assns. Rs. 25, for firms Rs. 10.

ASSOCIATED CHAMBERS OF COMMERCE OF INDIA : Estd. 1920 as Asscd. Champs. of Comm. of India and Ceylon. Name changed on Ceylon Chamb. of Comm. seceding in 1932. Aims at closer organisation of European comml. interests throughout India. Since 1930 Pres. and Secy., Bengal Chamb. of Comm. have been its Pres. and Secy. Annual Confes. held in Cal. Viceroy in Council nominates its representative on Central Assembly on recommendation of its 15 constituent chambers—Bengal, Bombay, Burma, Calcutt, Chittagong, Cocanada, Cochin, Coimbatore, Karachi, Madras, Narayanganj, Northern India, Punjab, Upper India and Tuticorin.

BEHAR PLANTERS' ASSCN. LTD. (Motihari) : Estd. to protect and foster the indigo and sugar industries interests, guard members' rights as landlords and tenants, collect and issue relative information and promote or oppose legislative or other measures affecting said interests. 20 Dirs.

BENGAL CHAMBER OF COMMERCE (Calcutta) : Estd. 1834 and Regtd. 1898. Mang. Commte. of 9 members elected by its nearly 244 members. 26 Comm. assns. affld. 2 classes of members—Chamber and Associate. Licensed Measurers' Dept. measures and weighs chief exports from Calcutta ; Tribunal of Arbitration settles disputes. Represented on the Council of State, Bengal Legis. Assembly and many other public bodies.

[Bengal] **CO-OPERATIVE ALLIANCE LTD** (16, Syed Amir Ali Avenue, Park Circus, Cal.) : Membership open to public and regtd. Bengal co-op. socs Subs. p. a.—for persons Rs. 6, for rural socs. R. 1/3, for central and other socs. Rs. 5 to Rs. 50. Capital of Rs. $\frac{1}{2}$ lacs divided into 50,000 shares of Rs. 5. Estd. as a centre of co-op. activities in Bengal to promote study of co-op. principles, advise and supervise affld. socs. and spread co-op. educ. and information through journals, books, lectures, etc

BENGAL NATIONAL CHAMBER OF COMMERCE (Calcutta) : The premier institution of the Indian comml. community in Bengal, estd. 1887 to aid and stimulate comml., agricultural and industrial enterprises in Bengal and Assam, represent traders' views and requirements to Govt., railway and port authorities, secure organised action on all matters involving its members' interests including conditions of employment of industrial labour, and arbitrate between willing parties. Associate and Hony. Membership open to the entire trading community in Bengal. Ordinary Member Roll of about 400 includes almost all the leading Indian comml and industrial firms, persons and jt.-stock cos. in Bengal. Constitution provides for a close association between itself and various sectional organizations of trades and industries in Bengal.

BERAR CHAMBER OF COMMERCE (Rajasthan Bldg., Akola, Berar) : Estd. 1938. Membership open to Berar Indian trading firms, cos., assns. 8 kinds of members—Ord., patron and Hony. Commte. of 17 members.

BIHAR CHAMBER OF COMMERCE (Patna): Estd. 1926; to promote the comml. and industrial interests of the province. Membership open to all comml. and industrial cos. and persons interested in the economic uplift of the prov., represented in the local legislature, E. I. R., O. & T. Ry. Advisory Committees, Bengal and U.P. War Supply Committees, and other local bodies, Members of the Committee for 1942-43. President:—Seth S. P. Jain., Vice-President Mr. I. B. Datta, Mr. P. H. Kutar.

BOMBAY BULLION EXCHANGE Ltd. (Shroff Bazar, Bombay): Estd. 1923 to regulate the city's bullion trade. Board of 9 members aided by a merchants' commte. of 9.

BOMBAY CHAMBER OF COMMERCE. Estd. 1886. Issues daily returns of arrivals of produce and those of some, and bi-wkly. details of all, imports and exports, wkly. current quotations and a *Monthly Return* of clearances of staple goods by sea. Has a Measurement Dept. Represented in Council of State, Bombay Legislature (by 2), Municipality and Port Trust. Member's Fee Rs. 360. Hony. members also. Commte. of 9 members.

BOMBAY PIECEGOODS NATIVE MERCHANTS' ASSCN. (Sk. Memon St., Bombay 2): Estd. 1881 to secure unanimity among said traders and promote their interests and arbitrate on matters referred. Recognised by Govt.

BOMBAY PRESIDENCY TRADES ASSCN. (Budri Mahal, 217-219, Hornby Rd, Bombay): Estd. 1902 to protect and promote prov. traders' interests and collect and issue information. Represented jointly with Bombay Chamb. of Comm. in Bombay Assembly.

BOMBAY SHARE-HOLDERS' ASSCN. (Aga Khan Bldg., Dalal St, Bombay): Estd. 1928 to protect and promote shareholders' and investors' interests. Membership open to Indian cos.' major regd. shareholders. Commte. of 20-40 members.

BOMBAY SHROFFS' (BANKERS') ASSOCIATION LD. (233, Shroff Bazar, Bombay) Established in 1910 and incorporated in 1941, its objects are to foster harmony among shroffs and commission agents, to make rules and regulations for Hundies, to promote Indigenous Banking and to protect the interests of both and discuss matters relating thereto. To correspond with public bodies and others in matters relating to the objects of the association and to make representations to the Local and Central Governments on any matter affecting trade, commerce, banking and industry of the country. To hear and decide matters referred for arbitration. This association maintains a commercial library which contains a fairly large number of books on Finance, Banking, Industry and Commerce. It always supplies Hundi forms in Gujarati to its member as well as non-members almost at the cost price so as to bring into use one standard Hundi form throughout India. •

BOMBAY TYPE FOUNDRY OWNERS' ASSOCIATION (196-B, Gaiwadi, Girgaon, Bombay 4): Established 1923. Honorary Secretary M. C. Modi. To promote and safeguard the interests of Type Founders and to bring about better relations and understanding between them and Printing Presses and to ventilate their grievances to the Government.

BUYERS' AND SHIPPERS' CHAMBER (Karachi): Estd. 1916 to protect and promote Indian maritime traders' interests and deal with Internatl. Labour Confces.' recommendations and conventions. Represented in some public bodies. Commte. of 5 members.

CALCUTTA GRAIN OILSEED AND RICE ASSCN. (Royal Exchange Bldgs., Cal.): Estd. 1884. Developed 1930 to foster the trade interests of Cal. Commte. of 5 members.

CALCUTTA HIDE AND SKIN SHIPPERS' ASSCN. (Royal Exchange Bldgs., Cal.): Estd. 1919 to protect and promote the trade interests and examine methods of tanning, preserving and curing hides. Affld. to Beng. Chamb. of Comm. whose Secy. and Asst. Secy are its Secy. and A. Secy. Commte. of 5.

CALCUTTA IMPORT TRADE ASSCN. (Royal Exchange, Cal.): Estd. 1890 to protect and promote Cal. import traders' interests, collect and sort facts and statistics, fix points of customs and adopt uniform contract form. Commte. of 7. Secy. and Asst. Secy. same as those of Beng. Chamb. of Comm.

CALCUTTA TRADES ASSCN. (34, Dalhousie Sq. S., Cal.): Estd. 1880 to promote amity among Calcutta retail traders, who only can be its members, and collect and issue said trade statistics. Represented in Beng. Assembly and other public bodies. Secy. is exc. officer.

CALICUT CHAMBER OF COMMERCE: Estd. 1923 to protect the commerce of the port of Calicut and the Malabar coast, to arrange surveys, arbitration, measurement and consignment of goods, testing and adjusting of weighing machines and weights etc. Commte. of 4 members.

CHITTAGONG CHAMBER OF COMMERCE: Estd. 1906 to foster European and Indian comml. interests in East Bengal. Membership includes Surma Valley and Assam branches of Indian Tea Asscn. Arbitrates on request. Represented on local municipality and Port Trust.

COCANADA CHAMBER OF COMMERCE: Estd. 1868 to represent the European traders at Cocanada and in the north-east coast of Madras Prov. Subs. p. a — for those at Cocanada Rs. 120, for others Rs. 60. Arbitrates, conducts, surveys and publishes statistics. Commte. of 3.

COCHIN CHAMBER OF COMMERCE: Estd. 1857 by European traders of Malabar produce to protect and promote the trade and commerce of India, especially of Malabar coast, collect and circulate useful statistics, establish equitable principles in trade and arbitrate in comml. disputes. Has 14 members.

COIMBATORE CHAMBER OF COMMERCE: Estd. 1922 to protect and promote Coimbatore town and districts trade interests. Ordy. and Hony. members. Commte. of 5.

DELHI FACTORY OWNERS' FEDERATION (Scindia House, New Delhi): Estd. to promote the interests of employers, employees or members' trades. Membership open to all industrial firms and owners of mills, presses or factories in Delhi prov.

EAST INDIA COTTON ASSOCIATION LIMITED, THE (Bombay): Objects of the Association are to provide forms of contracts compulsory or permissive, and regulate the making, carrying out and enforcement or cancellation of contracts; to adjust by arbitration or otherwise controversies between persons engaged in the cotton trade; to fix or adopt standards of classification of cotton; to acquire, preserve and disseminate useful information connected with the cotton interest throughout all markets; to decrease or insure the local risk attendant upon business; and generally to control, promote and regulate the cotton trade in the Presidency of Bombay and elsewhere in India, etc.

EMPLOYERS' FEDERATION OF SOUTHERN INDIA (P. B. 35 Madras) : Estd. 1920 to study the relations between employers and employees in S. India from relation first-hand statistics and other information, to promote equitable dealings between the two, and to safeguard the interests of comml. and industrial employers in S. India, especially against misguided actions of employees, to promote or oppose legislative and other measures affecting such interests and to move proper authorities on connected matters. Recognised by the provincial Govt. and consulted on all matters affecting industry and labour. Those employing not less than 100 persons are eligible for membership. Commte. of 9 members.

FEDERATION OF INDIAN CHAMBERS OF COMMERCE & INDUSTRY (28 Ferozeshah Rd. New Delhi). Recognised by Central Govt. as the premier organisation representing Indian comml. and industrial interests. Estd. 1927 to promote Indian inland and foreign trade, collect and issue statistics and comml. information, deal with legislative and other measures affecting said ints., arbitrate, promote uniformity and unanimity of franchise in Indian business fields, etc. Ordy., Hony., Foreign, Corresponding (Ind. Champs. allowed) members. Represented in many public bodies.

GODAVARI CHAMBER OF COMMERCE : Estd. 1885. All Indian traders can be members. Surveys goods. Issues fortnightly price quotations.

GRAIN MERCHANTS' ASSON. (Bombay) : Estd. 1899 to protect and promote the grain and seeds trade interests. Commte. of 30 members.

INDIAN CENTRAL COTTON COMMITTEE. (Mercantile Chambers, Nicol Rd., Ballard Estate, Bombay). Constituted in 1921 by the Government of India, on the recommendation of the Indian Cotton Committee. Originally it was purely an advisory body, but with its incorporation under the Indian Cotton Cess Act in 1923, it became an administrative body, having at its disposal funds derived from the cotton cess. Including as it does representatives of growers, agricultural officers, traders, spinners and manufacturers, the Committee has been an invaluable forum for the discussion of the many problems affecting the cotton industry. Whilst its constitution ensures a broad outlook on the many problems which fall within its purview, its main concern is the interest and welfare of the cotton grower. It is at present spending about Rs. 10,00,000 per annum on cotton improvement, mainly agricultural and technological research and seed distribution and marketing schemes. The aim is always to supplement and not supplant the work of the Agricultural Departments in the cotton growing provinces and States, and the general policy is to give assistance in the direction where it is most needed in the carrying out of a co-ordinated policy of cotton improvement. Considerable attention has also been devoted by the Committee to the improvement of primary cotton marketing and the prevention of adulteration and other abuses.

INDIAN CHAMBER OF COMMERCE, CALCUTTA (102-A, Clive St., Calcutta) : Estd. 1925 mainly to protect and promote Indian trade and industries, especially those touching Indians, even with capital, Indian or Indian-managed, to adjust members' disputes, to advance comml. and tech. educ., and to maintain suitable bldgs. for a comml. Exchange in Cal. 2 kinds of members—local (Subs. Rs. 100 p. a.) and Mofussil (Subs. Rs. 50 p. a.). Membership open to Indians engaged in trade, transport, industries and insce. or connected with art, science or literature. Many staple merchants' and industrialists' assns. connected with Sugar, Chemicals, Insce., Paper, Coal,

Rice, Jute, Gunny, Tea, Tubes, Metals and Shares are affiliated to it. Tribunal of Arbitration has separate panels for Jute, Gunny, Piecegoods and Yarn, Iron and Steel, Coal and Minerals and General trades.

INDIAN COLLIERY OWNERS' ASSCN. (Jharia, Br. 102 A, Clive St., Cal.) : Estd. 1933 to promote Indian coal mining industry and trade. Membership open to persons and firms in these or by products industries.

INDIAN ENGINEERING ASSCN. (Calcutta) : Estd. 1912 to protect the Indian metals and machinery industries. All such firms can be members. Commte. of 7 members. Secretarial work done by Beng. Chamb. of Comm.

INDIAN CHAMBER OF COMMERCE, LAHORE (Punjab) : Estd. 1912 and Regd. 1913 to safeguard the interests of Indian commerce, trade and agriculture. Recognised by the Govts. of the Punjab and India. Affld. to the Federation of Indian Chamber of Commerce, Paris. Issues Certificates of Origin and has an Arbitration Board to settle comml. disputes. Has vote in the commerce constituency of Punjab Legis. Assembly along with 8 other chambs.

INDIAN CHEMICAL MANUFACTURERS' ASSCN. (102A, Clive St., Cal.) : All-India Organization estd. 1938 to protect and promote Indian chemical, pharmaceutical, and allied manufacturers' interests. Adm. fee Rs. 100 and Subs. p. a. Rs. 150. Membership open to persons and cos. owning or managing power-worked chem., pharm., allied or by-products factories in India or Burma. Affld. to Indian Chamb. of Comm., Cal., Federation of Ind. Chambs. of Comm. and Industry, and All-India Organization of Industrial Employers. Commte. of 14 members. The Association has within its membership 75% of the chemical and pharmaceutical industries in India.

INDIAN JUTE MILLS ASSCN. (Royal Exchange, Cal.) Estd. 1902 to secure united action, collect statistics, open new markets, fix points of custom and get grievances removed. Elects 2 members to Bengal Legislature. Commte. of 7. Secretarial work done by Beng. Chamb. of Comm.

INDIAN MERCHANTS' CHAMBER (Bombay) : Estd. 1907 to secure unanimity and organised action among Indian business community regarding their interests, and particularly among its members on all subjects involving their interests including 'regulating conditions of employment of industrial labour', to collect and publish necessary statistics and other information and promote comml., economic and technical education, to promote or oppose legislative or other measures affecting the said interest, to undertake arbitration of commercial disputes and enquiries and action for redressing of legitimate grievances and to examine the Agenda of the International Labour Confes. of the League of Nations, send Indian employers' representatives to the confes. and promote or oppose recommendations or conventions thereof. Represented in Bombay Legislative Assembly, Central Lagislature, Bombay Port Trust (by 5) and Municipal Corporation and some other public bodies.

INDIAN MINING ASSCN. (Royal Exchange, Cal.) : Estd. 1892 to protect the Indian mining industrialists' interests, to foster the industries and afford arbitration. Membership open to all persons and firms conducting mining. Represented in Bengal and Bihar Legislatures.

INDIAN MINING FEDERATION (15, Clive St., Cal. ; Br. at Jharia) : Estd. 1913 to represent mainly Indian coal mining capital in Bengal, Bihar, Orissa and C. P. Issues relative statistics. Represented on various public bodies. Commte. of 15.

INDIAN SUGAR MILLS ASSCN. (102 A, Clive St., Cal.); Estd, 1932. Membership, open to persons and cos. owning or managing power-worked mills or factories, includes 151 factories working in India during the season 1942-43. Has a tribunal of arbitration, and own contract form for sale of sugar. Adm. fee Rs. 100. Subs. p. a. based on daily crushing capacity of mills. Affld. to Indian Chamb. of Comm., Cal. Federation of Ind. Chambs. of Comm. and Industry, All-India Organisation of Industrial Employers, and Ind. Natl. Commte. of Internatl. Chamb. of Comm. Commte. of 16 members.

INDIAN SUGAR PRODUCERS' ASSCN. (Cawnpore); Estd. 1912 to secure co-ordinated plan and work for the common interests of grower, manufacturer, refiner and dealer. Commte. of 7 members.

INDIAN TEA ASSCN. (Royal Exchange, 2, Clive St., Cal.) ; Estd. 1881 to promote interests of growers of Indian Tea. Membership open to owners, managers and agents of tea estates. Bengal Chamber of Commerce's Secy., Dy. Secy., and Asst. Secy. are its Secy., Dy. Secv. and Asst. Secy. Has a scientific dept. devoted to cultivation problems.

INDIAN TEA MARKET EXPANSION BOARD, Royal Exchange, Calcutta (formerly Indian Tea Cess Commte) ; Constituted under Act IX of 1903 as amended from time to time, to provide funds to promote the sale of Indian Tea by propaganda carried on in India and abroad in co-operation with producers asscd. in the Internatl. Tea Agreement in Europe, America, U. K., Africa and Australia. Mang. Comte. of 28 members representing growers and traders.

INTERNATIONAL CHAMBER OF COMMERCE, INDIAN NATL. COMTE. OF THE (23, Ferozeshah Rd., New Delhi) : Estd. 1928 to secure uniform action on all internatl. questions affecting finance, trade and industry and promote comml. intercourse and cordial relations among countries.

KARACHI CHAMBER OF COMMERCE : Estd. 1860, to protect and promote the general trade interests of Sind prov. Subs. p. m. Rs. 18. Entrance fee for new members Rs. 750. Subs. p. a. to its periodical Returns Rs. 50. Represented in Sindh Legis. Assembly and other public bodies.

KARACHI INDIAN MERCHANTS' ASSCN. : 289 members. Estd. 1902 and Regtd. 1925, to protect and promote Indians' trade and industry in and around Karachi and secure unanimity among them, settle members' disputes and secure equitable dealings in trade, initiate and promote or oppose legislative and other measures affecting trade interests, maintain deptts. devoted to particular trades or industries. e. g., its Produce Exchange Dept. controlling local grain and seeds trade, regulate trade exchanges, examine agenda of the International Labour Organization and recommend for nomination of Employers' delegates to Internatl. Labour Conferences. Represented on various public bodies. Has a Clearing House to settle differences periodically between members *inter se*. Affld. to Federation of Indian Chambs. of Comm. and Industry, Ind. Natl. Commte. of Internatl. Chamb. of Comm. and Indian Chamb. of Comm, in Gt. Brit.

MADRAS CHAMBER OF COMMERCE : Estd. 1836. Membership open to all persons and firms interested in the general trade, commerce of manufactures of the prov. Distinguished persons, members of kindred assns. and officials similarly interested may be elected hony. members by ballot. Other Chambs. of Comm. may be affld. members. Entrance fee (hony. members exempt)—Rs. 100 once for all, but for banks, cos., and firms—Rs. 100 every

ten yrs. Subscription p. a. for ordy. member—Rs. 300 ; for affld. member—Rs. 50. Undertakes arbitrations, surveys, and issues Certificates of Origin.

MADRAS TRADES ASSCN. (Spencer Bldgs., Mount Rd., Madras) : Estd. 1856 to promote Madras traders' interests.

MAHARASHTRA CHAMBER OF COMMERCE (Industrial Assoe. Bldgs., Church Gate, Bombay) : Estd. 1927 to secure amity among traders and factory-owners of Maharashtra who only can be members, protect their interests and collect and issue to them manifold statistics.

MARWARI ASSOCIATION. (160A, Chittaranjan Avenue, Calcutta) Estd. 1898 to promote all the social, economic and political interests of the Marwaries. About 200 members including prominent Marwaris and chief local Marwari firms covering all the branches of their inland and foreign trade. Recognised both by the Central and Provincial Governments as a Chamber of Commerce. The Association is represented on the Central Legislative and Provincial Legislative Assemblies besides various other public bodies.

MARWARI CHAMBER OF COMMERCE (143, Cotton St., Cal.) : Estd. 1900. Recognised as the custodian of the East Indian Marwari trading and industrial community's interests. Represented on almost all Govt. and other public bodies. Nearly all Marwari traders and industrialists are members. Is Calcutta agent of Technological Laboratory, Bombay.

The main object of this Chamber, which is one of the pioneer mercantile organisations in East India, is to foster the growth of commerce and industry in this country, and to safeguard the interests of the commercial communities to protect and promote the trade, commerce, manufactures, agriculture and industries of Bengal, to watch over and protect the general commercial interests of persons engaged in trade, commerce, manufactures, agriculture or industries in India and in particular of Calcutta and to consider all questions connected with trade, commerce, agriculture, manufacture and industries. It arbitrates in the settlement of disputes arising out of commercial transaction and issues certificates of origin to the exporters of indigenous goods. It also issues various other certificates. This Chamber is generally consulted by Government on matters of public concern as well as on all commercial matters. It undertakes special enquiries and action for securing redress for legitimate grievances of any branch of trade and industry. It controls most of the Calcutta piece-goods market. The Chamber is the Calcutta Agent of the Central Cotton Committee. The number of ordinary members on the rolls is near about 750. The Chamber accepts surveys to be conducted in the Technological Laboratory, Matunga, Bombay.

MERCHANTS' CHAMBER OF UNITED PROVINCES (Civil Lines, Cawnpore) Estd. & regd. 1932. 175 members including 15 affld. comml. bodies. Council of 21 members distributed all over the Province. Issues a monthly Eng. Bulletin, conducts arbitration, surveys goods and issues Certificates of Origin. Recognised by Prov. and Central Govts. and the prov. Eng. Press.

MILLOWNERS' ASSCN. (Patel House, Churchgate St., Bombay) : Estd. 1875. Membership, now 117, mainly confined to Indian and States cotton spinning and weaving cos. Represented in central and prov. legislatures, Bombay Corporation and Port Trust and other local bodies and all-India bodies, formed by Central Govt., connected with textile industry. Through an effective system of private regtn. it has all along prevented infringement of industrial property marks, and trade numbers and names, compiles

monthly statistics of import, re-export and export trade in cotton yarn, piece-goods and artificial silk of Br. India and Bombay prov. Its annual *Cotton Mill Statement* is a full, authoritative directory of Indian Cotton mills. Supplies to members first-hand local survey of trends of prices and tendencies in principal trade centres. Issues fortnightly lists of ex-mill quotations for Bombay mills cotton yarn and piece goods and wholesale bazar prices of chief Indian imports. Keen on betterment of labour conditions.

MILLOWNERS' MUTUAL INSURANCE ASSCN. LTD. (Patel House, Churchgate St., Fort, Bombay). Regtd. 1924, for the mutual insce of its members against liability to pay compensation or damages to their employee-workmen or their dependants for injuries or accidents, fatal or otherwise incurred in work. Membership open to all members of the Millowners' Asscn. as also non-members approved by the latter's Commte. Board of 8 dirs.

MINING & GEOLOGICAL INSTITUTE OF INDIA (Calcutta): Estd. 1906 to promote the study of all branches of Indian mining, geology, metallurgy and engineering and diffuse information useful to development of Indian mining industries. Graduates and 1st class diploma-holders in any of said subjects and qualified mine fieldworkers can be members. Council of 21 members. Issues annual *Transactions*. Has a technical library for members in Indian School of Mines, Dhanbad.

MUSLIM CHAMBER OF COMMERCE (6, Clive Row, Cal.): Estd. 1932 to protect and promote Indian, especially Muslims', trade and industries. Any firm or co. or individual can be member. Represented in many public bodies. Commte. of 20.

MUSLIM CHAMBER OF COMMERCE OF BIHAR & ORISSA (Patna): Estd. 1932 to promote Indian, especially Bihar and Orissa Muslims' commil. welfare. Commte. of maximum 15 members.

MYSORE CHAMBER OF COMMERCE (Bangalore): Estd. 1917 to protect and promote Mysore State trade interests. Recognised by Govt. to issue Certificates of Origin. Represented on important public bodies of the State. Ordy. and Hony. members.

NAGPUR CHAMBER OF COMMERCE LTD. (Jaiswal Bldg., Cotton Market, Nagpur): Regd. 1933 to protect and promote C. P. trade and industry, deal with legislative and other measures affecting said interests, collect and issue statistics and other information, settle trade disputes, secure uniformity in usages, and regulate forward contracts re: cotton-seed, grain and oil and provide the forms. Commte. of 13. Has standing sub-commtes. for particular trade sections.

NARAYANGANJ CHAMBER OF COMMERCE (Narayanganj, Bengal): Estd. to protect and promote Bengal trade and manufactures. 15 members.

NATIVE SHARE AND STOCK BROKERS' ASSCN. (Bombay): Constituted 1887 to protect brokers' status and further the interests both of them and the Bombay public concerned, to promote honourable practices and suppress malpractices, and settle brokers' disputes and decide all questions of business, custom and courtesy. About 472 members. Its present bldgs. with land cost about Rs. 21,00,000. Membership card now priced at about Rs. 29,500 Subs. Rs. 5. Constitution of 87 articles in the Deed and Rules sanctioned by Govt.

NEGAPATAM CHAMBER OF COMMERCE : Estd. 1931. The traders in and around Negapatam town and in Tanjore district are members. Recognised by India Govt. and authorised to issue certificates of Origin for the port exports. Fosters local trade interests, conducts surveys and arbitrates in comml. disputes. Exe Commte. of 21 elected members.

NORTHERN INDIA CHAMBER OF COMMERCE ('Commerce House,' Lawrence Rd, Lahore) : Estd. 1923 to protect and further N. Indian comml., industrial and agricl. interests. Represented on various public bodies. Affld. to the Assed. Chambs. of Comm. of India and the Federation of Chambs. of Comm. of Brit. Emp., London. Its Tribunal of Arbitration settles disputes. Surveys merchandise and issues Certificates of Origin for Indian manufactures. Keeps a set of tested weights. Commte. of 13 members.

ORISSA CHAMBER OF COMMERCE. Estd. 1932 to promote amity among traders and protect their interests. Popular among traders and recognised by Central and Prov. Govts.

PLANTERS (BENGAL AND ASSAM) : Besides Indian Tea Asscn., other district (tea-growers') assens. are : Darjeeling, Duars and Terai, Bengal, Surma Valley Indian Tea, Terai Indian, and Indian Tea (Jalpaiguri), Planters' Asscn., Indian Tea Growers' (Assam) Asscn. and Tripura Tea Asscn.

PUNJAB CHAMBER OF COMMERCE (Delhi) : Estd. 1905. Fosters mercantile interests in the Punjab, N.-W. F. P. and Kashmir. Branches at Amritsar and Lahore. Represented in the Central Assembly, Punjab Legislature and other public bodies. Member's subs. Rs. 200 p. a. for those who have offices in Delhi and Rs. 140 p. a. for others.

SEEDS TRADERS' ASSCN. LTD. (Jenabai Bldgs., Musjid Bunder Rd., Bombay 3) : Estd. 1926 to protect and promote Indian raw produce (seeds, oils, grains, etc.) traders' interests, fix standards for classification of the said articles and arrange for maintaining, through a clearing House and otherwise, uniformity of control in the said trade, collect and circulate useful relative information and adjust said traders' disputes. Two types of members—Merchants and Brokers

STOCK EXCHANGE ASSCN. LTD., CALCUTTA (7, Lyons Range, Cal.) : Estd. 1908 and regd. 1923 with authorised capital of Rs. 3 lakhs divided into 800 shares of Rs. 1,000 each. 223 shareholders now, further share-selling closed. A share sells at about Rs. 25,000 now. Adm. fee Rs. 5,000. Issues a *Year-Book*. Commte. of 16 members. Deals on Cash and Delivery basis.

STOCK EXCHANGE ASSOCIATION LTD., MADRAS : Regtd. 1937, the only institution of its kind in S. India. Members are either Founders or ordy., the respective entry fees being Rs. 500 and Rs. 1000, besides a deposit of Rs. 5000 or as the Exe. Commte. may decide. Subs. Rs. 25 p. m.

STOCK EXCHANGE LTD., BOMBAY : Oldest among Indian Stock Exchanges.

STOCK EXCHANGE LTD., PUNJAB : Estd. 1936. Capital Rs. 1 lakh. Shares of Rs. 1,000, now sell at Rs. 3,300 each. Member's adm. fee Rs. 500. Subs. p. m. Rs. 5.

SOUTHERN INDIA CHAMBER OF COMMERCE (Madras) : Estd. 1909. Represents Indian trade, commerce, industry & banking in Madras City and the upper districts of the province. Surveys goods and undertakes arbitrations. Represented in the Central Assembly, Madras L. Assembly, and other

public bodies. About 450 members all over the prov. with 18 district comm. chambs, & assens affld.

SOUTHERN INDIA SKINS & HIDE MERCHANTS' ASSCN. (33, Errabalu Chetty St., Madras) : Protects and promotes tittle trades. Commte. of maximum 53 members.

TELLICHERRY CHAMBER OF COMMERCE : Membership open to all local European trading cos. and persons.. Managed by Hony. Secy.

TUTICORIN CHAMBER OF COMMERCE : Estd. 1906 to represent the European traders in and around Tuticorin, appoint arbitrators and collect and publish annually statistics and other information re : the port trade. Commte. of 3 members.

UNITED PLANTERS' ASSCN. OF SOUTHERN INDIA (Coonoor, Nilgiris) : Estd. 1893 to protect and promote throughout the world S. Indian planting industries interests, collect and issue in its fortnightly, *Planters' Chronicle* relative statistics and information, and settle members' disputes. Dist. Planters' Assens., and persons, firms and cos. likewise interested can be members. Represented in Madras Assembly and other public bodies. A Labour and a Scientific Dept.

UNITED PROVINCES CHAMBER OF COMMERCE (Civil Lines, Cawnpore) : Estd. 1914. The only recognised Indian Chamber in the prov. Most of the trading and industrial concerns of the prov. affld. Membership open to all persons and firms interested in trade or industry. Represented in U. P. Legis. Assembly and other public bodies.

UPPER INDIA CHAMBER OF COMMERCE (Cawnpore) : Estd. 1888 to protect and further U. P. comml. interests. Subs. p. a.—for Cawnpore traders Rs. 300, for others Rs. 150. Arbitrates in disputes. Represented on U. P. Legis. Council (by 2) and other public bodies. Commte. of 10 who can form local commtes.

AGRICULTURE IN INDIA

In India nearly three persons out of every four have to depend for their livelihood on agriculture. It is often said that this preponderance of agriculture is the bane of the country,—the cause of chronic poverty of the land. But there are countries, of which the national prosperity largely depends not only on agriculture but on one crop only. As for example, the principal item of the national prosperity of Egypt is her cotton crop and that of Thailand is her rice crop. But having regard to the fact that world price of agricultural produces did not, keep pace with industrial prices since 1922, it is not safe for a large country like India to continue to be a purely agricultural country. India's model should be U. S. A., Canada and Russia, where side by side with a thriving agriculture, sundry industries are being fostered. In Russia there has been in recent years simultaneous development of both industry and agriculture. The Famine Commission of 1880 emphatically sought to bring home to the British administrators in India the necessity of effecting diversification of industries as an insurance against famine in India.

As things stand, we must, until this diversification is effected extensively, concentrate all our energies, both of the Government and of public-spirited

members of the community, in improving the productivity of agriculture and therewith the general economic and social conditions in rural India. The Royal Commission on Agriculture of 1928 laid special stress on this point. In the world demand for agricultural commodities, India has a place of her own, she supplies cent per cent of world's jute, more than 60% of world's tea; twenty-five per cent of world's cotton and 50% of world's oilseeds. But this position in the world market is not very compatible with the miserable conditions of the tillers of the soil. India is a vast country and it is only natural that she must produce enormous quantities from her enormous cultivable lands.

The principal defects of Indian agriculture are the following :

1. Due to the peculiar law of inheritance in India both among the Hindus and the Mohammedans, agricultural holdings in India have undergone progressive disintegration, generation after generation. The result has been that the average agricultural holding in India is so small that the cultivator has very little scope for adopting improved modern methods of cultivation, and persists in the rule of the thumb.

2. The Indian cultivator still suffers from dearth of capital. If he gets credit he is to pay dearly for that. Moreover, once in debt, he is not infrequently hopelessly in debt. As is well known, many of the land-owning cultivators have now been transformed into landless cultivators. In most of the provinces, legislative measures have been taken for reducing the rates of interest and for saving the cultivators from the clutches of the Mahajans. But these measures have not produced desired results. On the contrary, as in Bengal, they have produced an adverse effect on the agricultural credit. The Mahajan has become more shy than ever and the credit famine in Bengal is now more acute than before.

3. Most of the cultivators are illiterate with the result that they are conservative and unbusinessmenlike in their habits and outlook. They are not quick to appreciate the benefit of improved methods of cultivation even where such methods are not beyond adaptability.

4. Ploughing in India is usually done with the help of bullocks. But the number and the working capacity of these bullocks are not satisfactory. Of late, enlightened public opinion and the Government Departments have been taking lively interest in the problem of livestock.

5. Indian cultivators cannot afford to utilize modern manure only because there is no provision in India for the manufacture and distribution of cheap manure. Moreover, there is a criminal waste of farmyard manure as cheap fuel.

6. Due to pressure of population the inherent fertility of soil in India has deteriorated, but no attempts have been made to make good the exhaustion of inherent fertility. The result has been that the productivity of the Indian soil is now very poor.

Indian cotton has a world market but the quality of Indian cotton is inferior to that of American or Egyptian cotton. This necessitates that India has to import raw cotton for the consumption of local mills, for certain counts of yarn. In recent years India has lost her importance as an exporter of wheat, because India could not compete in prices with countries like Canada, Australia and Russia. It is not necessary that India's prosperity should be built upon a gigantic export trade in agricultural produce. The fact remains that in India, as in other countries of the world, the

internal market has potential demands many times more than the world demand. The local demand in India for agricultural produces, particularly for food grains, must be stimulated and supply must be increased. It has been repeatedly pointed out by great authorities on diet and on public hygiene that the majority of people in India are still underfed, their intake of cereals is insufficient for giving them sufficient vitality or efficiency. Serious and systematic attempts should, therefore, be made for improving Indian consumption. But such attempts involve large-scale and costly measures not only by provincial Governments, but by, and mainly by, the Central Government. It has not yet been duly appreciated in this country how the authorities controlling credit, currency and prices in India can lend stimulus to the production and consumption of agricultural commodities by mere regulation of prices and co-ordination of credit and currency.

PRINCIPAL AGRICULTURAL CROPS

RICE : Rice is the principal crop grown in India and the staple food of the people. The area under it is estimated to be about a third of the total cultivated area. Next to China, India is the biggest producer of rice in the world. India and Burma together supply about half the total world production. Rice, being a typical monsoon plant, is grown chiefly in Bengal, Bihar, Orissa, Assam, Madras and to a lesser extent in the U. P., Punjab, Frontier Provinces and Coorg. There are usually three varieties, the chief of which is the winter rice. This is sown from April to August and harvested between November and January. The other varieties, the autumn and the summer, are not so important. Of these the autumn variety is sown between May and June and the summer variety between January and February. The harvesting is done between September and October for the former and between May and June for the latter. The variety of rice grown in India is innumerable. The production of rice in 1939-40 was 25.7 million tons and the area under cultivation of rice was about 70 million acres.

WHEAT : Wheat occupies the second place of importance in Indian agriculture. India is the third wheat producing country in the world and contributes about 12 per cent to the world total. The chief wheat-growing areas are the Punjab, the United Provinces and the N.-W. Frontier Province. The *bread* wheat and the *macaroni* wheat are the two principal species grown. Wheat is essentially a *rabi* crop and is sown during October to December. The harvesting is done during March to May. The production of wheat in 1939-40 was about 11 million tons and the acreage under cultivation was about 26.2 millions. During the present century, the production of wheat has largely increased due to the success of the irrigation policy of the Government in U. P., the Punjab and in other wheat-producing areas.

SUGARCANE : The economic importance of sugarcane is very great in the United Provinces and Bihar. It is also grown in Bengal, Assam, Punjab, Madras and Bombay. India is now the largest producer of sugar. The conditions for the cultivation of cane are particularly suitable in U. P., Bihar and some parts of northern Bengal. The sowing season is from February to May and the harvesting season is usually from November to January. The production of sugarcane in 1939-40 was above 4.8 million tons and the acreage under sugarcane was 8.5 millions. In recent years the area under sugarcane has increased very considerably in response to the increased demand for

sugarcane by the increasing number of sugar mills in U. P., Bihar and other provinces.

TOBACCO : The principal areas where tobacco is grown are Bengal, Bihar, Orissa, Assam, United Provinces, Central Provinces and Berar, Madras and Bombay. Tobacco has a considerable internal demand and the exportable surplus is in no way fairly large. India contributes about 28 per cent of the world total. The production of tobacco in 1939-40 was 449,000 tons.

TEA : India is the biggest producer of tea in the world. Suitable conditions of tea cultivation are found on hill-slopes at a height of between two and five thousand feet above the sea level. Bengal and Assam produce the bulk of the tea grown in India. The Punjab, United Provinces and Nilgiris produce small amounts of tea. The best tea is grown in and about Darjeeling. Seeds are generally sown between November and March. The seedlings are transplanted not earlier than six months. Tea is plucked from May to December, except in South India, where it is done between January and December. The production of tea in 1939-40 was over 410 million lbs. and the area under cultivation was about 737,579 acres.

COFFEE : The cultivation of coffee is restricted to South India—Madras Presidency, Coorg and the States of Cochin, Travancore and Mysore being the principal areas. Mysore alone produces about half of the total coffee grown in India. The sowing and transplanting is done during the rains, the harvesting being done between October and January. The production of coffee in 1939-40 was 17.4 million lbs.

MILLETS : Millets are an important food-crop particularly in Central and South India. Many varieties are grown, of which two are the most important, the *bajra*, a *khari* crop, and *jowar*, both a *rabi* and a *khari* crop. The production of millets in 1939-40 was: *bajra*, 2 million tons; and *jowar*, 4.5 million tons.

PULSES : Pulses, of which a large number are cultivated, are an important class of foodstuff in India. Many of the pulses are *rabi* crops, of which gram is important. Of the *khari* varieties, the most important is *arhar*. Pulses are grown everywhere and often mixed with cereals. The production of gram in 1939-40 was 3 million tons. Other kinds of pulses are largely grown all over the country.

LINSEED : Linseed is an important oil-seed grown in India. The cultivation is fairly extensive, and it is grown in Bengal, Bihar, Orissa, Central Provinces, United Provinces, Bombay, Punjab and in many South Indian and Central India States. The sowing is done between August and October and the harvesting between January and April. The production of linseed in 1939-40 was 403,000 tons.

RAPE AND MUSTARD : The cultivation of rape and mustard is extensive, and Northern India contributes a bigger share than the South. This is a *rabi* crop. The sowing is done between August and October and the crop is harvested between January and April. The production of rape and mustard in 1939-40 was 1,104,000 tons.

SESAMUM : Sesamum or *til* is not localized in any particular area and is grown extensively. Principally, this is an autumn crop, though a *rabi* variety is also grown in some parts. The sowing time is between January and February for this variety and between May and July for the more usual

variety. The autumn variety is harvested between October and December and the other variety between May and July. The production of sesamum in 1939-40 was 388,000 tons.

CASTOR-SEED : Castor-seed is generally cultivated in Bombay, Madras, Central Provinces and Berar, U. P., Bihar, Orissa and Sind. There are two varieties. The *kharif* variety is sown during May and June and the *rabi* variety during September to November. The harvesting is done between January and February and March and April respectively. The production of castor-seed in 1939-40 was 44,000 tons.

GROUNDNUT : Groundnut is chiefly grown in Madras, Bombay, Central Provinces and Berar, and in the South Indian State of Hyderabad. The sowing season is during May to August. The harvesting is done usually between November and January. A summer variety, is grown in Madras. The production of groundnut in 1939-40 was 2,327,000 tons.

COTTON : India is the second largest producer of raw cotton in the world, contributing about 15 per cent of the world total. Raw cotton is an important item in the export list and usually accounts for not less than 40% of the total value of raw materials exported out of India. In quality and strength, Indian cotton is inferior to those of U. S. A., Egypt, and East Africa. For certain types of yarn, even Indian mills have to depend on cotton imported from abroad. The principal cotton producing provinces and States in India are Bombay Presidency, Madras Presidency, C. P. & Berar, U. P., and the Punjab, Bombay States, Baroda and Hyderabad, and Central India States. "The area under cotton in India covers such a wide climatic range that the season for planting and picking are divergent in different parts of the country, and while in the Punjab and Sind, the crop is almost entirely irrigated, elsewhere it depends for the most part upon the sufficiency and the timeliness of the monsoon rainfall." There are two varieties mainly cultivated. The sowing is extended from March to August for both varieties and the harvesting is done between October and April. In certain parts of South India, the sowing may continue as late as December and the harvesting as late as July. India used to export a large quantity of cotton to Japan. The production of cotton in 1939-40 was about 3,381,000 bales of 400 lbs. each and the area under cultivation was about 13.8 million acres (see Agricultural Statistics).

JUTE : Jute is practically a monopoly of India. Jute growing is confined almost entirely to the Ganges-Brahmaputra delta in Bengal and Assam, in Cooch-Bihar State and some parts of Bihar and Orissa. Alluvial deposits brought up by inundation enable the growth of crops year after year without expenditure on manure. Jute is generally sown from March to May and harvested from July to September. The demand for jute in the world market is based upon the fact that no other cheaper fibre is obtainable for bagging agricultural produces. The cultivation of jute has during the last 50 years or so increased by leaps and bounds. In 1874 the area under jute was below one million acres. The average area for the 5 years ending 1912-13 was estimated at a little more than 3 million acres. In 1913-14 (i.e., in the pre-war year), the acreage was no less than 3,952,200. Since 1922 there had been a contraction in the acreage of jute cultivation. During 1924-26 there was, however, a welcome recovery from post-war depression. But the world economic depression of 1930-31 had a very depressing effect on the cultivation of jute. In 1931 the acreage and production of jute receded to the low figure of 1,862,000 acres and 5.5 million bales of 400 lbs. each respectively. Since

1933 signs of improvement have been visible. In recent years the Government of Bengal have sought to raise the price of jute by (i) trying to restrict the acreage under cultivation, and (ii) later by controlling the price of jute. These two measures have produced some effect, but the results have not been very encouraging. (See Agricultural Statistics). Of the non-food crops in India, jute is one of the most important. Jute in normal years constitutes about 20 to 25 per cent of the total exports of India. The production of jute in 1939-40 was about 9,648,000 bales of 400 lbs. each, and the area under jute cultivation was about 3,118,929 acres.

RUBBER : Rubber is grown principally in South India, being mostly localized in Travancore, which accounts for about 78 per cent of the total area under cultivation. Madras, Cochin and Coorg come next in order of area. The production of rubber in 1939-40 was over 3,789,000 lbs.

Agricultural Statistics

DISTRIBUTION OF AREA IN BRITISH INDIA

(in acres)

Province	(Cultivated)		(Uncultivated)		Forests
	Net area actually sown	Current fallow	Culturable waste other than fallow	Not available for culti- vation	
Ajmer-Merwara	337,133	174,590	263,165	899,251	96,782
Assam	6,295,796	1,601,597	18,856,570	4,577,400	4,153,437
Bengal	24,728,100	4,640,569	5,753,822	9,649,215	4,482,890
Bihar	19,323,400	6,966,506	5,123,622	6,294,248	6,606,945
Bombay	28,715,213	5,059,224	888,388	5,722,961	8,336,189
C. P. & Berar	24,537,804	3,805,214	13,992,370	4,899,410	15,857,033
Coorg	144,673	164,667	11,690	359,474	331,760
Delhi	213,444	11,161	65,305	78,502	...
Madras	32,032,814	9,450,303	10,537,675	14,604,210	13,178,241
N.-W. F. Province	2,109,029	576,056	2,851,700	2,687,052	852,932
Orissa	6,447,555	1,786,964	3,571,049	6,211,433	2,637,753
Punjab	27,296,877	3,695,782	14,164,936	13,021,910	1,975,219
Sind	5,140,479	4,873,248	5,899,512	13,548,576	717,671
United Provinces	36,171,073	2,637,755	9,988,955	9,887,964	9,274,595
Total	213,493,390	45,393,636	91,968,759	92,441,606	68,001,397

ESTIMATED AREA UNDER AND YIELD OF, CROPS IN BRITISH INDIA

Food grains	Yield 1939-40	Area 1939-40
	1,000 tons	1,000 Acres
Rice	24,550	70,101
Wheat	8,925	26,128
Barley	1,981	6,101
Jowar	4,512	21,677
Bajra	2,020	18,862
Maize	2,118	5,766

	<i>Yield</i> 1,000 tons	<i>Area</i> 1,000 Acres
Gram	3,085	11,690
Other grains & pulses	...	28,817
<i>Other food-crops</i> (including fruits, vegetables, spices, etc.) :		
Sugarcane	4,381 tons	6,772
Coffee	17,424 lbs.	3,629
Tea	409,884 lbs.	96
Linseed	403 tons	788
Sesamum (til or jinjili)	338 tons	2,438
Rape & Mustard	1,104 tons	2,198
Groundnut	2,527 tons	3,538
Cocoanut	...	5,538
Castor	41 tons	680
Other oilseeds	...	407
Cotton	3,351 bales	13,344
Jute	9,618 bales	3,119
Other fibres	...	775
Indigo	5 cwts.	37
Opium	...	7
Tobacco	449 tons	1,181
Fodder crops	...	10,467
Rubber	3,789 lbs.	...

DISTRIBUTION OF AGRICULTURAL CROPS BY PROVINCES 1938-39

The first figure indicates the number of acres and the second figure, unless otherwise stated, the yield in tons. (*Bales means bales of 400 lbs. each*)

BENGAL—*Rice*, 21,988,000 and 7,567,000. *Wheat* 174,000 and 44,000 *Barley* 101,300 and 32,000; *Maize* 67,100 and 21,000; *Gram* 341,600 and 97,000; *Linseed* 155,900 and 29,000; *Sesamum* 18,400 and 31,000; *Rape and mustard* 777,300 and 152,000; *Cocoanut* 13,300 acres; *Sugar-cane* 293,900 and 489,000; *other sugar plants* 66,300 acres. *Cotton* 58,000 and 20,000 bales; *Jute* 2,474,500 and 5,690,000 bales; *Tea* 200,500 and 106,839,400 lbs.; *Tobacco* 316,000 and 132,000; *Fodder crop* 110,900 acres. *Fruits and vegetables* 817,000 acres.

ASSAM—*Rice* 5,351,506 and 1,742,000; *Sesamum* 22,662 acres. *Rape and Mustard* 405,780 and 65,000; *Sugar-cane* 38,542 and 37,000; *Cotton* 36,650 and 14,000 bales; *Jute* 302,628 and 570,000 bales; *Tea* 439,089 and 261,037,200 lbs.; *Tobacco* 14,432 and 7,000; *Fruits and vegetables* 461,204 acres.

BIHAR—*Rice* 9,578,600 and 2,654,000; *Wheat* 1,098,300 and 385,000; *Barley* 1,294,000 and 419,000; *Jowar* 65,100 and 15,000; *Lajra* 60,200 and 16,000; *Ragi* 611,700 acres; *Maize* 1,520,600 and 352,000; *Gram* 1,346,600 and 415,000; *Linseed* 576,800 and 79,000; *Sesamum* 114,200 and 17,000; *Rape and Mustard* 498,209 and 108,000; *Castor* 33,800 and 4,000; *Sugar-cane* 375,300 and 369,000; *Cotton* 42,600 and 7,000 bales; *Jute* 315,000 and 486,000 bales; *Tobacco* 104,800 and 33,000; *Fruits and vegetables* 445,100 acres.

ORISSA—*Rice* 5,147,885 and 1,405,000; *Ragi* 291,227 acres; *Maize* 30,678 and 7,000; *Sesamum* 114,791 and 18,000; *Rape and Mustard* 27,627 and 5,000;

Ground-nuts 20,657 and 7,000; *Cocoanuts* 30,021 acres; *Castor* 20,894 and 2,000; *Sugarcane* 32,020 and 62,000; *Jute* 24,332 and 57,000 bales; *Tobacco* 30,596 and 10,000; *Fruits and vegetables* 140,023 acres.

U. P.—*Rice* 7,785,475 and 20,70,000; *Wheat* 8,520,501 and 2,694,000; *Barley* 3,988,015 and 1,182,000; *Jowar* 2,245,089 and 421,000; *Bajra* 2,057,214 and 308,000; *Ragi* 244,593 acres; *Maize* 2,003,332 and 607,000; *Gram* 5,529,552 and 1,481,000; *Linseed* 252,485 and 148,000; *Sesamum* 321,576 and 101,000; *Rape and Mustard* 258,794 and 433,000; *Groundnuts* 150,382 acres. *Condiments and Spices* 123,078 acres. *Sugarcane* 1,627,846 and 1,432,000; *Cotton* 651,978 and 179,000 bales; *Opium* 6,183 acres; *Tobacco* 98,879 and 76,000; *Fodder* 1,548,878 acres. *Fruits and vegetables* 590,274 acres.

C. P. & BERAR—*Rice* 5,794,340 and 1,725,000; *Wheat* 3,381,966 and 672,000; *Jowar* 4,330,812 and 929,000; *Bajra* 99,943 and 22,000; *Maize* 151,839 and 76,000; *Gram* 1,106,522 and 185,000; *Linseed* 1,288,894 and 106,000; *Sesamum* 438,084 and 24,000; *Rape and Mustard* 78,992 and 16,000; *Castor* 28,487 and 5,000; *Cotton* 3,652,817 and 536,000 bales; *Fodder* 508,998 acres. *Fruits and vegetables* 147,013 acres.

PUNJAB—*Rice* 1,029,548 acres; *Wheat* 9,526,323 and 3,235,000; *Barley* 574,829 and 151,000; *Jowar* 877,720 and 69,000; *Bajra* 2,640,575 and 218,000; *Maize* 1,110,427 and 384,000; *Gram* 2,301,761 and 375,000; *Linseed* 30,276 and 3,000; *Sesamum* 96,873 and 8,000; *Rape and Mustard* 649,987 and 110,000; *Sugarcane* 354,285 and 229,000; *Cotton* 2,902,303 and 1,104,000; *Indigo* 6,840 and 1,500 cwt. *Other dyes* 11,723 acres; *Opium* 3,975 acres; *Tobacco* 82,539 and 32,000; *Fodder* 4,573,063 acres; *Fruits and vegetables* 272,027 acres.

N.-W. P. P.—*Rice* 41,691 acres; *Wheat* 982,453 and 235,000; *Barley* 142,688 and 42,000; *Jowar* 79,517 and 11,000; *Bajra* 109,897 and 10,000; *Maize* 486,354 and 214,000; *Gram* 95,016 and 13,000; *Rape and Mustard* 99,988 and 8,000; *Sugarcane* 51,091 and 57,000; *Fodder* 142,074 acres; *Fruits and vegetables* 43,640 acres.

BOMBAY—*Rice* 2,015,329 and 789,000; *Wheat* 1,860,583 and 337,000; *Jowar* 7,728,308 and 1,320,000; *Bajra* 4,252,517 and 501,000; *Ragi* 666,263 acres; *Maize* 172,501 and 71,000; *Gram* 595,086 and 91,000; *Linseed* 124,777 and 12,000; *Sesamum* 209,945 and 22,000; *Groundnut* 1,435,688 and 582,000; *Cocoanut* 28,702 acres; *Castor* 45,927 and 6,000; *Condiments and spices* 223,359 acres; *Sugarcane* 76,120 and 190,000; *Cotton* 3,698,757 and 654,000 bales; *Tobacco* 155,000 and 30,000; *Fodder* 2,480,450 acres; *Fruits and vegetables* 207,814 acres.

SIND—*Rice* 1,256,106 and 504,000; *Wheat* 1,178,013 and 365,000; *Jowar* 450,867 and 101,000; *Bajra* 753,066 and 72,000; *Gram* 295,857 and 47,000; *Rape and Mustard* 162,712 and 15,000; *Cotton* 855,852 and 364,000 bales; *Fodder* 188,272 acres; *Fruits and vegetables* 49,317 acres.

MADRAS—*Rice* 9,844,388 and 4,103,000; *Jowar* 4,914,537 and 1,265,000; *Bajra* 2,717,545 and 643,000; *Ragi* 1,639,299 acres; *Maize* 64,218 and 27,000; *Gram* 50,806 and 11,000; *Sesamum* 876,397 and 93,000; *Groundnut* 3,770,689 and 1,613,000; *Cocoanut* 586,800 acres; *Condiments and spices* 645,991 acres; *Sugarcane* 98,262 and 274,000; *Other sugar* 35,207 acres; *Cotton* 1,928,714 and 369,000 bales; *Indigo* 28,576 and 3,900 cwt.; *Coffee* 54,623 and 11,624,500 lbs.; *Tea* 77,546 and 88,180,200 lbs.; *Tobacco* 320,134 and 119,000; *Fodder* 431,865 acres; *Fruits and vegetables* 714,351 acres.

IRRIGATION

Normal rainfall in India is very markedly uneven. While Konkan, Malabar districts, Assam and Bengal enjoy sufficient quantities of rainfall for agricultural purposes, Sind, the Frontier Province and major part of the Punjab, C. P. and U. P. receive very scanty rains. This inequality in the distribution of rainfall makes artificial water supply a crying necessity in many parts of the country. As the Irrigation Commission of 1901-1903 pointed out, "between the area in which the annual rainfall is invariably sufficient and that in which it is so scanty that no agriculture is at all possible without irrigation system, there lies a tract of nearly a million square miles which, without the aid of irrigation, is exposed to the uncertainty of season and to the scourge of famine." The total area irrigated in British India in 1939-40 was about 55 million acres. This represented about 20 per cent of the total cropped area of the country. (See Tables)

As a result of the findings of the two Famine Commissions, the Government of India took up in right earnest an extensive programme of railway-construction and irrigation works and the excavation of irrigation canals in provinces like the Punjab, U. P., C. P., Sind and North-West Frontier Province. In most of these provinces irrigation has been a paying concern to the Government. In Bengal, however, irrigation is hardly productive or remunerative. But as was pointed out by the late Sir Daniel Hamilton, the Bengal Government might profitably undertake a programme of draining away the masses of water logged in numerous marshy places known as *bils*. This draining programme, if put into effect, would have achieved two distinct results. It would have driven away the scourge of malaria and it would have made available for cultivation a large area of water-logged marshes. With the introduction of Montagu-Chelmsford Reforms, irrigation was made a provincial subject and under the present constitution it continues to be so.

Irrigation works are broadly classed as productive and unproductive. Productive works are those, the revenue derived from which covers the interest on the capital outlay within 10 years of the construction of the works. The net interest earning of irrigation works in British India (productive and unproductive works taken together) was 6.52 per cent of the capital at charge in 1939-40, which stood at Rs. 154 crores. But if we eliminate unproductive works from these figures then the interest earning on capital at charge would stand at 8.97 per cent.

There are various indigenous methods of irrigation undertaken generally by individuals such as small tanks, wells, temporary obstruction to divert water from stream on to the fields. Well-irrigation is very common in this country. As far back as the beginning of the present century, there were approximately two million and a half of irrigation-wells, which irrigated some 12 million acres of cultivable land. The irrigation works undertaken by the Government consist mainly of tanks, canals and barrages. The latter are artificial obstructions to the course of rivers with a view to deepening the volume of water within these rivers. The success, which irrigation has achieved in India, evidently stands on its own merits. Irrigation has converted barren tracts of land in the Punjab, U. P. and Sind into fertile regions. The production of wheat and sugarcane has increased during the present century by at least 50 per cent over the last century and irrigation, more than anything else which the Government has done, is responsible for this increased production.

AREA UNDER IRRIGATION IN BRITISH INDIA IN ACRES, 1939-40

IRRIGATION

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Province	Total area sown	Area Irrigated				Total area irrigated	
		By Canals		By tanks	By wells		Other sources
		Govt.	Private				
Ajmer-Merwara	251,014	...	...	7,983	68,664	98	76,745
Assam	7,507,112	228	352,670	1,400	...	300,451	654,749
Bengal	80,228,400	233,904	283,097	1,009,982	89,193	485,125	2,051,302
Bihar	23,260,300	692,978	917,237	1,413,572	431,845	1,715,525	5,220,757
Bombay	29,413,873	233,025	78,234	108,004	720,470	25,315	1,215,049
C. P. & Berar	27,134,285	...	1,132,082	...	181,860	66,182	1,380,124
Coorg	149,216	3,124	...	1,329	...	...	4,453
Delhi	247,688	43,012	...	879	41,854	...	90,745
Madras	96,280,212	3,791,337	150,313	3,021,255	1,311,518	291,237	8,565,660
N.-W. F. P.	2,365,447	337,991	388,550	...	79,781	72,255	93,577
Orissa	7,005,958	350,195	52,365	249,938	8,430	797,040	1,397,963
Punjab	29,946,850	11,405,798	453,873	34,559	4,721,922	151,292	16,707,444
Sind	5,628,877	4,157,415	37,541	...	29,469	392,004	4,616,429
United Prov.	45,162,675	3,762,151	45,453	17,132	5,807,186	2,388,264	11,970,236
Total	244,574,857	25,125,458	3,886,415	5,866,363	13,492,192	6,574,790	54,945,238

IRRIGATION WORKS—PRINCIPAL RESULTS OF OPERATIONS 1939-40

<i>Productive Irrigation Works</i>	<i>Area of Land irrigated during the year</i>	<i>Total capital outlay (Direct and indirect) to end of year</i>	<i>Percentage on total Capital outlay</i>
	<i>Acres</i>	<i>Rs.</i>	<i>Per Cent</i>
Madras	2,588,531	15,60,62,885	6.25
Bombay	7,634	14,98,855	9.76
Bengal	188,991	1,22,59,349	1.0
United Provinces	4,737,655	26,13,29,119	7.13
Punjab	12,713,077	37,95,97,928	14.53
Bihar	624,665	2,68,23,344	6.82
N.-W. F. P.	207,671	72,14,786	12.90
Sind	4,108,876	29,50,44,454	3.85
Baluchistan	128,896	1,09,29,571	1.21
<i>Total productive irrigation works</i>	25,250,997	1,15,27,59,791	8.37

The Co-operative Movement

Famine and usury are said to be the two inevitable evils of purely agricultural countries. The 19th century history of Ireland, Russia and some other purely agricultural countries of Europe along with the conditions prevailing in India for the last 17 years lend much strength to this view. The problem of agricultural credit had occurred to the Government of India long before the passing of the first Co-operative Societies Act of 1904. As early as in 1883 the Land Improvement Loans Act was passed, and the next year the Agriculturists' Loan Act was passed with the object of advancing working capital at low rates of interests to Indian ryots. By the middle of the last century two notable Germans, Raiffeisen and Schulze-Delitzsch had introduced and popularized in Germany two distinct types of banks for giving relief to the poor in Germany. The object of Raiffeisen Societies was the relief of agricultural indebtedness and that of Schulze-Delitzsch Societies was the relief of other classes of poor people, particularly poor artisans. In 1892 Sir Frederick Nicholson, who had been deputed to the Continent to study and report on co-operation, reported to the Madras Government on the possibility of introducing land and agricultural banks in Madras. The Government of India also began to take a lively interest in the problem of agrarian indebtedness.

The Government of Lord Curzon passed the first Co-operative Societies Act in 1904 and laid the foundation of the co-operative movement in India. For the first few years the movement was slow in its progress. The Amending Act of 1912, however, gave an effective stimulus to the movement by providing for central financing agencies, such as Central Co-operative Banks and Provincial Co-operative Banks. In 1925-26 there were 69,016 societies with 2,877,550 members and with a total working capital of Rs. 53 crores. These figures

increased to 94,242 ; 4,849,609 and Rs. 91 crores respectively in 1930-31 and to 118,705 ; 5,534,051 and Rs. 97 crores respectively in 1939-40.

The existing structure of the co-operative movement in India is given below :

I. At the apex of the whole movement in a province there is the *Provincial Co-operative Bank*, which works both as a provincial financing agency and an agency for absorbing the surplus funds of other societies in the province, such as, Central Co-operative Banks and primary societies, agricultural or non-agricultural. *The Provincial Co-operative Banks* attract large deposits from the public and absorb and utilize the surplus funds of the primary and central societies in the province. The working capital of these banks is usually very large and they sometimes get accommodation in the shape of loans or guarantee from provincial Governments. In 1939-40, there were 8 such banks with a total working capital of over Rs. 18 crores. There were two such Banks in Indian States—in Mysore and Hyderabad respectively.

II. Just below the provincial bank are the *Central Co-operative Banks* located in important places such as at subdivisional and district headquarters and centres of business, and the supervising and guaranteeing unions formed by the union of a number of primary societies. Central Co-operative Banks tap the middle class and rich people and lend only to the co-operative societies within their jurisdiction. They also guide and supervise the primary societies in their jurisdiction. In 1939-40 there were 985 Central Co-operative Banks with a total working capital of Rs. 39.5 crores.

III. *The Primary Societies* consist of two types, the agricultural and non-agricultural societies. Both the types comprise different classes, such as credit societies, sale societies, irrigation societies, etc. But in both the types, credit societies form an overwhelming majority, both in number and working capital. The *agricultural societies* or the rural or Raiffeisen Societies work on the following principles : (a) only the inhabitants of a particular village or locality may become the members of such a society ; (b) the working capital is supplied mostly by Central Co-operative Banks and very few primary agricultural societies issue share capital ; (c) each and every member of such a society has individually and collectively with other members unlimited liability for all the debts of the society ; (d) all profits of such societies are carried to a permanent reserve fund, which can never be divided among the members, though in some provinces a maximum of 25% of the profits may be spent for the benefit of the public of the locality where the society is located ; (e) loans are granted only to the members of the society for productive purposes alone and usually the loans are for short terms varying from 6 months to 1 year ; (f) the office-bearers of the society are honorary workers ; (g) the society can accept deposits from non-members but cannot lend money to them. The other types of agricultural societies are only a few in number and are far from popular as yet. But the main principles of collective security and unlimited liability are there. The *non-agricultural societies* or the urban or Schulze-Delitzsch Societies greatly differ from the agricultural type. They are more akin to a joint-stock company than to an agricultural society. They work on the following principles ; (a) they draw their working capital by issuing shares to the members of the society, from deposits from members and non-members, loans from Central Co-operative Societies and other societies ; (b) the member's liability is limited ; (c) the members are entitled to dividends ;

(d) though deposits are accepted from the public, loans are granted only to the members of the society ; (e) loans are granted on the collective security of the loanee and usually two other members of the society.

The Government does not usually offer financial assistance or accommodation to the movement, though in matters of audit, propaganda, and supervision the Government takes a very prominent part. Almost every Provincial Government has now a Co-operative Department with a Registrar and his staff and offices. Incidentally it must be pointed out that unlike in other countries of the world, the co-operative movement in India was introduced and fostered exclusively by the Government, which exercises rigid control over the movement in all its strata. But the working capital of the movement is supplied exclusively by private individuals, societies or banks. At the beginning of the movement, the Government supplied a few lakhs of rupees of working capital, but now-a-days it is only in very critical periods that the provincial Governments offer accommodation to the movement.

The history of 1913-14 to 1928-29 is one of steady growth and prosperity for the movement, but that of the period from 1932-33 down to the present is one of set-back and arrested growth. The co-operative movement is not unsuited to Indian soil, but is on the other-hand typically the institution which should and must thrive in a country like India, where the majority of the people are poor and credit famine is universal. What is needed is a thorough overhauling of the movement and infusion of new vigour and energy into the movement. Till the year 1931, the Indian co-operative movement had worked out a silent revolution and had shown that it was capable of growth. The dark days after 1931-32 represent evils other than those which may be apparent to the lay public.

The world economic depression of 1930-31 and the consequent fall in agricultural prices up to 1933, gave a serious set-back to the normal growth of the movement. The total amount of the outstanding loans of the societies had increased to enormous sizes and many of the primary and central societies had to be wound up during 1933-36. A large part of the funds of the movement got frozen and deposits from the public shrank. The size of the overdues had taken an enormous proportion. In 1939-40 the total overdues from members of agricultural societies amounted to Rs. 11 crores, whereas the total working capital of these societies was Rs. 38 crores. This state of things has naturally ushered in the much-talked-of problem of long-term credit for cultivators and in some provinces land-mortgage banks have been established as a matter of experiment.

In 1939-40, there were 104,007 agricultural primary societies with 3,727,761 members and Rs. 38 crores as the total of working capital. The corresponding figures for Non-Agricultural Societies are 13,718 ; 1,601,349 and Rs. 24 crores respectively

Defects of the Indian Co-operative Movement : The Indian co-operative movement deals principally with the credit problem, and has not as yet taken up in right earnest such problems as sale, marketing, and other phases of economic activities. More than 90 per cent of the primary societies—both agricultural and non-agricultural—are credit societies. The recent developments in co-operation in Europe, Canada and Australia point to the conclusion that in a vast agricultural country like India, the principle of co-operation can be employed in all stages and phases of agricultural production. In our

country we have had irrigation societies, cattle insurance societies, consolidation of holding societies, but their numbers are so small and their activities so limited that they form a negligible minority.

The Indian co-operative movement mainly deals with short-term credit and does not provide for long-term credit. The Royal Commission on agriculture assessed the total of agricultural debts in British India at Rs. 900 crores. That was in 1928, and since then we have passed through prolonged fall in agricultural prices and shrinkage of rural credit. The total working capital of agricultural societies was about Rs. 83 crores in 1939-40, of which about Rs. 6.5 crores were loaned out to the cultivators and other societies. This latter amount represents not even 1 per cent of the total agricultural indebtedness in India. In recent years attempts have been made here and there to set up land-mortgage banks. But land-mortgage banking is still and will, for years to come, be in an experimental stage. The total number of such banks in British India was only 243 in 1939-40 and their working capital was about Rs. 6.27 crores, of which Rs. 60 lakhs represented loans granted to individuals. This is not an encouraging picture. If the co-operative movement is to be a factor of economic regeneration in India, it must take up a comprehensive programme of long-term agricultural finance.

Statistics of the Co-operative Movement

NUMBER, MEMBERSHIP AND FINANCIAL POSITION OF CO-OPERATIVE SOCIETIES IN BRITISH INDIA (1939-40)

	<i>Central</i>	<i>Agricultural</i>	<i>Non-agricultural</i>
Number ...	985	101,007	13,713
Members ...	204,991	8,727,761	1,601,819
<i>Working Capital in Lakhs of Rupees</i>			
Loans from persons, other societies and banks	3,074	1,554	719
Share capital	305	375	548
Deposits by members	...	107	779
State aid	60	7	51
Borrowing of land-mortgage banks and societies	...	535	339
Reserve	510	726	339
<i>Total</i>	3,949	3,304	2,488
LOANS ISSUED to members and other societies	1,743	879	1,488

CO-OPERATIVE SOCIETIES IN INDIAN STATES (1939-40)

	<i>Central</i>	<i>Agricultural</i>	<i>Non-agricultural</i>
Number ...	146	14,981	3,047
Members ...	30,825	463,148	289,312
<i>Working Capital in Lakhs of Rupees</i>			
Loans from persons and other societies	168	129	86
Share capital	39	73	96
Deposits by members	...	17	96
State aid	51	2	4
Borrowings	...	40	...
Reserve	56	111	53
<i>Total</i>	<i>314</i>	<i>372</i>	<i>335</i>
LOANS ISSUED to members and other societies	55	55	192

BIG CO-OPERATIVE BANKS*

(Figures in thousand rupees)

<i>Year</i>	<i>No. of Banks</i>	<i>Paid-up Capital</i>	<i>Reserve and other funds</i>	<i>Total</i>	<i>Deposits and Loans</i>	<i>Loans outstanding</i>	<i>Cash Balances held</i>
1928-29	18	1,16.99	46.35	1,63.34	9,31.49	6,80.29	(a) 77.76
1929-30	22	1,89.76	64.91	2,01.70	10,90.16	8,92.66	(a) 84.66
1930-31	27	1,58.88	97.01	2,55.92	13,57.38	10,69.60	(a) 88.23
1931-32	34	1,72.32	1,34.70	3,07.02	15,01.60	11,47.99	(a) 1,14.57
1932-33	36	1,86.49	1,72.33	3,58.82	18,09.77	11,41.67	(a) 2,46.80
1933-34	35	1,92.19	1,60.86	3,53.05	17,11.99	11,65.57	(a) 1,90.51
1934-35	41	2,18.61	2,03.85	4,22.46	17,93.94	13,11.10	(a) 2,07.37
1935-36	44	2,39.19	2,42.44	4,81.63	19,89.56	14,47.16	(a) 2,79.48
1936-37†	45	2,49.81	2,60.10	5,09.91	20,56.71	15,25.36	(a) 2,41.06
1937-38(b)	40	2,23.87	2,56.41	5,80.28	19,79.05	14,99.95	(a) 1,72.08
1938-39	43	2,40.62	2,94.68	5,35.30	22,92.48	18,38.66	(a) 2,03.36
1939-40	41	2,42.31	3,05.01	5,48.22	22,94.22	18,91.00	1,00.06

* Banks with paid-up capital and reserve of Rs. 5 lakhs and over.

† Figures revised.

(a) Include Government securities valued at Rs. 49,08,000, Rs. 33,74,000, Rs. 36,02,000, Rs. 96,28,000, Rs. 83,55,000, Rs. 64,35,000, Rs. 80,31,000, Rs. 63,79,000 Rs. 77,22,000, Rs. 75,58,000, held by the Bombay Provincial Co-operative Bank in 1928-29, 1929-30, 1930-31, 1931-32, 1932-33, 1933-34, 1934-35, 1935-36, 1936-37, 1937-38 and 1938-39 respectively.

(b) Figures for years prior to 1937-38 include Burma.

The operation of the Land Mortgage Banks and Societies in India during 1939-40 was as under :

Number of banks or societies	...	248
Number of members	...	92,480
Share capital	...	Rs. 41 lakhs.
Debentures from the Public and Government	...	Rs. 251 lakhs.
Deposits	...	Rs. 9 lakhs.
Reserve and other funds	...	Rs. 10 lakhs.
Loans	...	Rs. 316 lakhs.
<i>Total of Working capitals</i>	...	Rs. 627 lakhs.
Loans made to individuals	...	Rs. 60 lakhs.
Loans made to banks and societies	...	Rs. 56 lakhs.
Profit	...	Rs. 1'1

CO OPERATIVE SOCIETIES IN BRITISH INDIA (1939-40)

<i>Province</i>	<i>Central Banks</i>	<i>Agricultural Societies</i>	<i>Non-agricultural Societies</i>
Madras	295	11,911	2,098
Bombay	139	4,171	979
Sind	55	1,012	339
Bengal	123	34,228	3,073
U. P.	73	15,084	736
Punjab	121	12,816	5,166
Bihar	60	7,486	215
Orissa	26	2,527	173
C. P. & Berar	42	4,542	300
Assam	21	1,318	210
N.-W. F. Province	4	801	64
Ajmer-Merwara	10	570	164
Coorg	14	251	44
Delhi	1	260	129
Hyderabad & ad- ministrated areas	1	...	26
<i>Total</i>	985	104,007	13,713

INDIAN INDUSTRIES

"We cannot measure the access of the strength which an industrialised India will bring to the power of the Empire...mere traders with an outlook of less than a generation ahead may be disposed to regard each new source of manufacture as a possible curtailment of their established sources of profit. But each new acquisition of wealth increases the purchasing power of the whole, and changes in the configuration of trade that disturb individuals must be accompanied by a total increase in its value which is to be the good of the whole."—*Montagu-Chelmsford Report on Indian Reforms.*

Compared to agriculture, manufacturing industries in India occupy a minor position as a means of livelihood. But there was a time not far off in

the past, when, relative to other countries of the world, India was advanced in industries. But those were the days of cottage industries, when innumerable small industries lay scattered all over the country. Many of the Indian villages were self-sufficient economic units, the village artisans producing all the necessities of the village.

In many localities, specialized excellences were achieved by certain industries. The conch and *muslin* industries of Dacca, and the weaving industry of Chandernagore and Santipur, the silk industry of Benares, Murshidabad and Malda have not yet died out, but are still continuing their existence in the face of the competition offered by manufactured cheap articles of Indian and foreign mills. Many people of to-day seem to take the view that the days of these small indigenous industries are over. But the conditions of mass production make the existence of small industries all the more desirable, as the scope for the individual and often hereditary skill of artisans will not die out due to the pressure of the competition of modern mass production.

MODERN INDUSTRIES IN INDIA

Upto the year 1921 the Government of India, in sympathy with the Home Government, pursued a policy of *laissez faire* with regard to industrial development in India. When foreign commodities were distributed all over the country with the help of the newly introduced railways and steamers, the Government of India allowed the innumerable small industries scattered all over the country to die out. But from the ruins of the old industrial system arose a new order represented by the cotton industry of Bombay Presidency, the jute industry on the banks of the Hoogly, the iron and steel industry of Jamshedpur, and the coal-mining industry of Bengal and Bihar. The position up to the outbreak of the war of 1914-18 was this : the jute industry was in a thriving condition as the world demand for manufactured jute had been on the increase ever since the establishment of jute mills in Bengal. The cotton mills in Bombay Presidency and a few others in Bengal and elsewhere were somehow keeping themselves going on in the face of world competition. The old and primitive sugar industry in different parts of the country had almost died out. The iron and steel industry at Asansol and the new works at Jamshedpur were somehow dragging themselves on in a moribund condition. The outbreak of the Great War (1914-18) acted as an effective barrier against the influx of foreign commodities into India and Indian industries without exception reaped high profits from rising prices and shortage of import commodities. The famous *Industrial Commission* of 1912, which had been appointed by Lord Hardinge, made the following observations. (1) Though India was rich in raw materials and industrial possibilities, deficiency of her industrial system rendered her liable to foreign competition in times of peace and serious danger in times of war. (2) Indian labour was insufficient and capital was inert. (3) The people of the land had not developed the right tradition for industrialism. (4) Active intervention on the part of the Government was, therefore, necessary for developing and guiding the industrial activities of the country. The outbreak of the war in 1914 threw all these proposals to the background. During the war of 1914-18 the Government for the first time realized what importance and strength an industrialized India might lend to the Empire. The Fiscal Commission appointed in 1921 stressed on the following points : (1) It was necessary that India should follow a protectionist policy, as distinct from a *laissez faire* policy. (2) A permanent

body to be known as the Tariff Board was to be constituted for examining and determining the claims of Indian industries to protection or bounties. (3) The Government of India should follow a policy of discriminating protection to Indian industries.

The Government of India accepted the recommendations of the Fiscal Commission and a Tariff Board was appointed early in 1924. The Board first examined the claims of iron and steel industries and recommended protective duties on different types of steel imported into India, and bounties on steel rails and fish-plates for three successive years. Later, these protective duties were further enhanced and during the years 1925-1939 the Tariff Board examined the claims of, and recommended protective duties on, various Indian industries, such as, cement industry, paper industry, printing ink industry, cotton textile industry, sugar industry, etc. In most cases Government of India accepted the recommendations of the Board with the result that Indian industries to-day are stronger than ever before, and in many industrial products India is self-sufficient. No one could, some twelve years ago, imagine that India would be producing sugar sufficient for Indian consumption. The industrial position in India has taken a definitely better turn since the year 1936, when panicky rumours of world war and hectic buying of industrial products by various States in the world, including the British Empire, opened up wider and wider scope for Indian industries. The present war has kept up this healthy tone of industrial production in India. India is now faced with the problem of supplying 100 per cent of her necessities of paper and clothes from home manufacture; and she is already supplying 75% of what she needs—and which during these days of war represents cent per cent of her consumption.

• PRODUCTION OF CERTAIN INDUSTRIES IN INDIA—1939-40

<i>Industry</i>	<i>Production in 1000 tons</i>	<i>Industry</i>	<i>Production in 1000 tons.</i>
Pig Iron	1,898	Alum	33,385 "
Iron castings & Manufactures	129	Aluminium Sulphate	144,365 "
Steel Ingots	1,070	Ammonium Sulphate	20,089 tons.
Semis	872	Ferrous Sulphate	86,614 cwts.
Finished Steel	804	Magnesium Sulphate	77,777 "
Portland Cement*	1,170	Sodium Sulphate	26,433 "
Sugar	25,840,541 cwts.	Jute Manufactures	1,276,999 tons
Matches	21,970,104 gross.		3,732,417,192 yards
Wheat flour	16,810,547 maunds.	Paper	1,374,152,725 pieces
Paints	686,843 cwts.	Cotton Yarn	1,416,267 tons
Hydrochloric Acid *		Cotton Mill	1,081,430,000 lbs.
(ordinary)	9,143 "	Products	710,148,000 lbs.
Nitric Acid (ordinary)	18,053 "		3,741,769 doz.
Sulphuric Acid (")	614,608 "		

Mining Industry

During the present century it has been established beyond doubt that India's latent mineral wealth is full of rich possibilities. India had once a comparatively efficient and well-developed metallurgical industry; but with

* Figures for 1937-38.

the advent of cheap foreign imports, these old industries have been extinct. Later, western methods of extraction have been profitably employed in many mineral industries of the land. The coal-mining industry of Bengal and Bihar has for the last 75 years or so become well developed and during the present, these mines have been able to supply all the growing needs of India. The discovery of rich iron ores in Mayurbhanj, and elsewhere in Orissa and C. P. opened up a new chapter in the mining and industrial history of India. Hitherto large iron and steel industry could not be set up, as sufficient quantities of coal and iron ores were not found within practicable vicinity of each other. The working of the iron ores in the Orissa States by the now famous Tata Iron and Steel Co. Ltd., of Jamshedpur, has demonstrated that very big industries of the most up-to-date type can be developed and worked in India. The principal minerals of India in order of their importance are : coal, iron, manganese, gold, silver, zinc, copper, mica, kerosene and petroleum. With the separation of Burma from India, silver, kerosene and petroleum have ceased to be important Indian productions. Some kerosene and petroleum are, however, extracted from Assam mines. The quantity and value of the principal minerals extracted from Indian mines in 1938 are given below :

MINERAL PRODUCTS IN INDIA IN 1938*

<i>Products</i>	<i>Quantity (000's omitted)</i>	<i>Value (1,000 Rs.)</i>
Coal	28,848 tons	1,06,424
Gold	921 ounces	30,475
Petroleum	8,782 gallons	16,543
Chromite	44 tons	688
Copper ore and matte	288 tons	3,241
Iron ore	2,744 tons	4,857
Manganese ore	968 tons	39,295
Mica†	123 cwts.	4,205
Silver	22 ounces	80

Apart from the minerals enumerated above, India produces a large variety of minerals of minor importance, such as, tungsten, lead, diamond, graphite, paraffin wax, borax, etc.

COAL

Indian coal deposits are classified mainly according to two geological divisions, the *Gondwana* coalfields, and the *Tertiary* coalfields, the bulk of the coalfields belonging to the former class. Jharia and Ranigunge, the two principal coalfields in India, account for over 70% of the total output. The first working of the Ranigunge mines began in 1820, whereas the working of the Jharia mines dates from 1897. The Bokharo and Giridih fields in Bihar, Pench Valley fields in C. P., and Singareni fields in Hyderabad State occupy the next positions of importance. The mines in Assam and in the Mianwall district in the Punjab contain considerable deposits of *tertiary* coal. Until very recently, Indian coal was exported in large quantities to countries like *Ceylon, Straits Settlements, Hongkong, United Kingdom and other countries.

* Figures for later years not available. † Only dressed mica.

But from 1933-34 down to 1935-36 exports had progressively diminished. It was immediately before the outbreak of the present war, that the export trade and prices of coal seemed to improve. But the exports of bunker coal (i. e. coal shipped for use of steamers) has remained steady during this period. The internal consumption of coal, however, has been on a steady increase during the last 7 years. The average annual consumption is above 20 million tons, of which about 7 million tons are consumed by Indian railways. India may be said to be self-sufficient in coal, and if she imports small quantities of coal every year, the reason is that there are many ports and industrial areas where foreign coal is obtainable at cheaper rates than Bengal and Bihar coal. In 1938 the total quantity of coal mined in India was 28 million tons valued at Rs. 10·6 crores. It has been estimated that the consumption of coal per head of population was '66 ton in 1935 as against '05 ton in 1933 and '06 in 1931.

Labour in coal mines : "The classes from which colliery labour is recruited being largely agricultural, supply is adversely affected by a favourable monsoon as the cultivator only turns to mining when his crop has failed and his savings are exhausted. The average annual output per head of labour was, in 1935, 128 tons (above and below ground) and 180 tons (below ground only) as compared with 289 tons and 370 tons in the United Kingdom, 203 tons and 298 tons in France, 217 tons and 311 tons in Belgium, respectively. In 1934 the figure in the United States of America was 657 tons and in Japan 212 tons and 290 tons. The *per capita* output of Indian labour has decreased considerably in recent years, as compared with the figures in 1929 when the outturn was 130·1 tons and 187·8 tons, respectively."

Coal Trade in recent years : The supply of wagons for the transport of coal is controlled by the *Coal wagon supply Committee*, which body allots wagons to different collieries on representation from railways and collieries. Coal trade has moreover been much helped by the establishment of *Indian Coal Grading Board* which is responsible for maintaining the standard of coal and for issuing shipment certificates. The production of coal has steadily increased in India during the last 7 years. Increase in industrial activities for the few years before and during the present war is mainly responsible for an increasing demand for coal. The following figures show the production of coal in recent years :

Year	Production in 1,000 tons	Average Price per ton at pit	
		R.	a.
1935	23,617	2	13
1936	23,612	2	12
1937	25,036	3	2
1938	23,313	3	12
1939	27,469	3	9

After the outbreak of the present war internal demand for coal has increased with a spurt. But two great difficulties have arisen—the difficulty of getting sufficient number of wagons for transport of coal and of obtaining sufficient supply of labour in the mines. These two difficulties have combined to make the distribution of coal in India uneven and the retail prices of coal at different places are in most cases cent per cent higher in 1942 than those of 1941.

IRON ORE

Deposits of iron of good quality have been proved to exist in different parts of India, and India is now only next to the United Kingdom in the British Empire as a producer of iron and steel. The iron and steel production in India has been on the increase till 1929. Due to the trade depression of 1930-31 there was a marked decrease in Indian output of iron and steel. But since 1932 there has been a steady increase in production. During the last 4 or 5 years India has exported large quantities of pig iron and iron ore, the chief markets for pig iron being Japan, China, United Kingdom and United States of America. Iron ores of good quality are mined from Mayurbhanj State in Orissa and Raipur district of the Central Provinces. There are good iron ores in Mysore State, but due to the absence of coal mines in the vicinity of the iron mine, the iron and steel industry has not been developed on a very large or satisfactory scale. The present war, however, has improved the prospect of the Mysore Iron and Steel Works. The quantities of iron ores mined in India for eight years up to 1938 are :

<i>Year</i>	<i>Tons</i>	<i>Year</i>	<i>Tons</i>
1928	2,055,992	1935	2,364,297
1929	2,428,555	1936	2,526,931
1930	1,849,825	1937	2,810,832
1931	1,624,888	1938	2,743,675

MICA

Before the War of 1914-18, India used to contribute about 60% of the world production of mica. But during the War mica mining was considerably developed in Brazil and India's importance as a mica-mining country in the world has since then diminished. All the mica mined in India is muscovite, though very small quantities of flagopite mica is obtained in Travancore mines. Mica mines occur in the districts of Hazaribagh Monghyr, and Gaya in Bihar ; in Nellore in Madras ; in the Eraniel *taluk* of Travancore ; and in the Hassan district of Ajmer. The average production of mica is about 50,000 tons. India exports large quantity of mica every year, the average quantity and value of the exports being about 100,000 cwt., and £500,000. The production of dressed mica in 1938 was 40,89,488 cwts.

MANGANESE ORE

India is the largest producer of manganese in Asia and one of the largest producers in the world. Manganese mining dates back to 1892 in which year the Vizagapatam mines commenced work. Since then mines have been discovered in Madras Presidency and C. P., and the output and exports of the mineral had been on the increase. The C. P. mines account for the largest proportions of Indian production, though, the Madras productions are considerable. Normally India exports large quantities of Manganese ore to the United Kingdom, Japan and other countries. The consumption of manganese ore by Indian iron and steel industries have considerably increased during the last twenty-five years. But since 1930 there had been a sharp decline in the production of the ore owing to sharp fall in its price. Usually India exported manganese ore of the average value of £500,000 per annum. But since 1930 the export trade also fell off. The production of manganese

increased with a spurt as it were in and since 1935, since which year world demand for iron and steel has increased by leaps and bounds. In 1937 Indian mines produced 1,051,594 tons of ore valued at Rs. 4,29,53,068. The production for certain years up to 1938 are given below.

<i>Year</i>	<i>Tons</i>	<i>Year</i>	<i>Tons</i>
1928	978,449	1936	813,442
1929	994,279	1937	1,051,594
1930	829,946	1938	967,929
1931	537,844		

IRON & STEEL MANUFACTURES

The principal manufacturers of iron and steel are : 1. Tata Iron & Steel Co. Ltd. ; 2. Indian Iron and Steel Co. Ltd. ; 3. Steel Corporation of India Ltd. ; 4. Mysore Iron & Steel Works ; and 5. Bengal Iron Company Ltd. Of these the first is the largest and the biggest steel factory not only in Asia but in the British Empire. The Bengal Iron & Steel Co. Ltd., which was established in 1875, produces cast iron pipes, castings, sleepers and chairs for railway lines. The Iron & Steel Co. Ltd., which was floated in 1907, commenced work in 1911 and had a good time during the war of 1914-18 when the company obtained large contracts for supply of steel from the Government of India. Except for a few years before 1924, and for 1931-32, the company's progress has been very satisfactory. Steel plates, corrugated sheets, rails, joists, pig iron, etc. are largely produced in Tata's works. The Indian Iron & Steel Co. Ltd. of Asansol produces pig iron, steel, ferro-manganese. The latest steel factory in India is Steel Corporation of India Ltd. which is already a profitable concern.

The production of both pig iron and steel has been on a very steady increase since 1933, and since 1936, the exports of Indian pig iron have risen sharply. In 1937-38 India exported 629,203 tons of pig iron valued at Rs. 2,59,69,000. During the past few years the United Kingdom has made heavy purchases of Indian pig iron. Japan used to be our best customer of pig iron. The present war and the years preceding it saw an unprecedented rise in the production of iron and steel in India. The manufacture of steel in India has been encouraged by the imposition of discriminating protective duties on the imports of steel into British India since 1924, when the Government of India introduced for the first time the policy of discriminating protection.

Since 1924, Steel Industry in India has had an onward progress under the discriminating protection offered by the Government of India. During the worst years of Trade Depression (1930-1932) the production of iron and steel fell. But since 1935 increasing demand for Indian iron at home and abroad and increasing home demand for Indian steel have made iron and steel industry one of the most profitable business in India. During the present War and for two years preceding the War, the industry has had a boon. The import of steel from United Kingdom has been severely curtailed while demand for steel for War production purposes and ordinary home consumption has risen by leaps and bounds.

Iron and Steel Production

	(In 1000 tons)			
	<i>Pig iron</i>	<i>Steel ingots</i>	<i>Semis</i>	<i>Finished steel</i>
1934-5	1,848	884	76	551
1935-6	1,540	888	71	606
1936-7	1,552	861	78	618
1937-8	1,644	922	759	668
1938-9	1,576	977	791	726
1939-40	1,838	1,070	872	804

SUGAR INDUSTRY

India was probably the original home of sugarcane. The area under sugarcane is larger than in any country in the world. But the average yield per acre has been so low and the demand from a population that is largely vegetarian so great, that the country had to depend on an increasing extent on the imports of foreign sugar, and until recently, India's apathy in fact had proved Java's opportunity. Due to the increasing adoption of improved varieties of sugarcane the average yield per acre has steadily advanced in recent years. The demand for imported sugar in Indian markets has undergone a remarkable change since the grant of protection to the sugar industry in 1932, as a result of which the Indian industry has developed its production steadily. The imports of sugar in India in 1929-30 and 1934-35 were 940,000 tons and 225,000 tons respectively. This shows how rapid progress the industry had made in India under state protection.

The production of sugar in India in 1938-39 was about 3 lakhs tons below the normal consumption requirements of the country. It was about 80 per cent less than in the season 1937-38 and about 40 per cent less than in 1936-37. The causes of the short production were : a reduction in the area under cane, the low yields of cane per acre, owing to diseases and insect pests and the poorer quality of the cane available for crushing. Owing to the short production in 1938-39 and the meagre opening stocks, there was acute shortage of sugar in the country and prices began to move up. The average price of the best grades of Indian factory sugar (factory delivery basis) was Rs. 12 per maund in May, 1939. With prices at such a high level it became possible to import sugar from Java to fill the gaps in home production. Imports from Java during the year were 324,266 tons. According to some sources, imports from Java were in excess of requirements. But owing to a general improvement in world sugar prices, it was possible to effect resales of a part of the Java sugar for shipments to destinations in the Near East. With the extension of War in the Far East imports from Java have been totally stopped ; and India has now to supply 100% of her demand for sugar.

The Tariff Board recommended continuance of protection at the existing rate of Rs. 7-4-0 per cwt. till the 31st of March, 1946. The Government was unable to accept the Board's recommendation and it was decided that protection should be at the reduced rate of Rs. 6-12-0 per cwt. for 2 years from 1st April, 1939. The rate of protection for the remaining period would be determined after further inquiry.

As has been noted elsewhere, India is self-sufficient in sugar. Recently talks have been abroad for developing export markets, as in some years India is expected to enjoy exportable surplus. The future of the sugar

industry, however, can be much brightened up by the introduction of cheap transport of molasses for agricultural manure and by the establishment of plants for manufacture of power alcohol as a by-product of sugar industry.

SUGAR COMPANIES (J. S.) IN BRITISH INDIA

<i>Year</i>	<i>No.</i>	<i>Paid up capital in lakhs of Rs.</i>
1980-81	82	201
1982-83	106	236
1985-86	190	742
1986-87	196	926
1987-88	171	948
1988-89	165	1,050
1989-90	168	1,164

PRODUCTION OF SUGAR IN INDIA FROM CANE, GUR
AND KHANDSARI CONCERNS

<i>Year</i>	<i>No. of factories that produced sugar direct from cane</i>	<i>Production of sugar direct from cane (tons)</i>	<i>No. of factories that refined gur</i>	<i>Production of sugar refined from gur (tons)</i>	<i>Production of khandsari sugar (tons)</i>	<i>Total (tons)</i>
1929-30	27	89,800	11	23,200	200,000	313,000
1930-31	29	119,900	10	29,700	200,000	439,600
1931-32	32	158,600	17	62,000	250,000	470,600
1932-33	57	290,200	27	78,000	275,000	643,200
1933-34	112	454,000	16	64,900	200,000	718,900
1934-35	130	573,100	13	43,500	150,000	771,600
1935-36	137	932,100	13	47,900	125,000	1,105,000
1936-37	137	1,111,400	9	25,600	100,000	1,237,000
1937-38	136	990,700	10	17,200	125,000	1,072,900
1938-39	139	650,800	10	15,800	100,000	766,600
1939-40	145	1,242,000	11	30,000	125,000	1,487,000
1940-41	148	1,095,000	14	50,000		

PRODUCTION OF SUGAR FROM CANE, GUR AND KHANDSARIS*

	<i>(In 1000 tons)</i>			
	<i>1932-33</i>	<i>1938-39</i>	<i>1939-40</i>	<i>1940-41</i>
U. P.	385	394	660	513
Bihar	145	167	322	246
Punjab, Sind† & N.-W. F. P.	41	15	15	21
Madras	35	37	31	44
Bombay	21	57	69	85
Bengal & Assam	14	15	40	52
Other Provinces and the States	8	81	105	133
<i>Total</i>	<i>644</i>	<i>766</i>	<i>1,242</i>	<i>1,094</i>

* Burma has been excluded since 1936-37.

† Up to 1939-40 figures refer to Punjab only.

COTTON INDUSTRY

The Great War of 1914-18 gave a powerful incentive to the growth of cotton mills in India, as the imports of cotton manufactures had fallen and the Indian mills, particularly the Bombay mills, reaped a harvest of good profits. The price of cotton manufactures during the war period went up stiffly. The Indian mills, which before the outbreak of the war had somehow kept themselves going on, found days of prosperity. On the conclusion of hostilities in 1918, enormous orders for cotton mill machinery were placed by Indian mills and during 1923-25 a large number of cotton mills were established in different parts of India. The tariff policy of the Government of India with regard to cotton manufactures was not liberal. There was only a revenue custom duty of $2\frac{1}{2}\%$ *ad valorem*. But under Free Trade Convention the Indian mills had to pay excise duty on their production at $2\frac{1}{2}\%$ *ad valorem*. Later, due to increased necessity for revenue, imports duties on cotton manufactures were gradually raised up to 25 per cent *ad valorem*. This gave much relief to Indian mills. Shortly, this duty was declared to be a protective duty. But in spite of the protection of enhanced duties Indian cotton mills somehow managed to progress in the teeth of keen foreign competition, particularly from Japan. The period 1930-32 was very unfavourable for cotton industry in that it was the period of world trade depression and the demand for cotton manufacture had fallen considerably in India, and in the world at large.

To-day the Indian mills are supplying more than 75% of the country's need of mill-made cloth. The Sino-Japanese war had to some extent diminished the keen competition offered by Japanese yarns and Japan-made woven goods, and the present war has considerably affected imports from Manchester. Indian mills have, therefore, now good prospects and if the present war be a prolonged one, this prosperity will continue. The extension of war to the Far East has entirely closed the Indian market to Japanese cotton goods; and the imports of cotton goods from United Kingdom have further fallen. The demand for products of Indian mills has therefore intensified to the maximum.

The average consumption of clothes in India is about 15 sq. yds. per head as compared with 88 in Canada, 80 in Malaya, 21 in Japan, 64 in U. S. A., and 85 in the United Kingdom. The total Indian production of piecegoods in 1938-39 was about 4,270 million yards; in 1939-40 it fell nearly by 1,926 yards. One of the healthy signs in recent years has been that the industry is not localized in Bombay Presidency, but is being spread to provinces like Bengal, U. P., Madras, and the Punjab. The progress attained by this industry points to a very bright future. During the present war it has been established that India can be self-sufficient in the production of cotton textiles.

A large proportion of the cotton used by Indian mills is imported from Egypt, East Africa, and U. S. A. The extension of War in the Far East, the shortage of shipping facilities, and the restriction on imports of cotton from U. S. A. due to exchange control—these have created a serious situation for Indian mills. Since September 1941 there has been an increasing shortage of imported cotton. Indian mills in most cases cannot use short staple cotton which is commonly produced in India. The import of yarn from Japan has been totally stopped. The net results of the above have been an acute shortage of cotton goods in India and an abnormal rise in the prices thereof.

It is, however, noteworthy that the production of yarn by Indian mills had increased during the 10 years from 1930-31 to 1939-40, from 867 million lbs. to 1,234 million lbs. Of the latter figure Bombay Mills produced more than 40% in 1939-40.

Since the outbreak of the present war and particularly after Japan's entry into the present war there has been a steep rise in the prices of cotton yarn and clothes. The principal causes of this persisting rise in price are :—(a) inflation, (b) shortage of yarn and clothes, (c) speculation. The third-named cause appears to have been effectively eliminated with the Government of India's making a rule in May 1943 for liquidation of stocks of clothes in mills, shops and godowns within certain time limit. See Index numbers of Prices of certain groups.

PRODUCTION OF YARN IN 1939-40

<i>Yarn</i>	<i>British India Million lbs.</i>	<i>Indian states & Foreign Territory. Million lbs.</i>
Counts 1 to 20	53	188
Counts 21 to 30	265	46
Counts 31 to 40	146	11
Counts above 40	75	7
Wastes, etc.	14	1
<i>Total</i>	<i>1,081</i>	<i>203</i>

Total for British India, Indian States and Foreign territories ... 1,234 million lbs.

PRODUCTION BY PROVINCES OF ALL COUNTS OF YARN IN 1939-40

	<i>Production in Million lbs.</i>		<i>Production in Million lbs.</i>
Madras	174	C. P. & Berar	61
Bombay	557	Ajmer-Merwara	18
Bengal	48	Delhi	85
U. P.	125	Bihar	25
Punjab	16		

COTTON MILLS PRODUCTION 1939-40

<i>British India</i>	<i>Woven Goods (A) Grey & Bleached piece-goods</i>	<i>Indian States and Foreign Territory</i>
20,549,000 lbs.	Chadars	7,423,000 lbs.
210,918 "	Dhutis	80,207 "
25,894 "	Drills and jeans	5,985 "
20,741 "	Cambrics and lawns	2,283 "
1,952 "	Printers	1,808 "
178,085 "	Shirtings and longcloth	48,208 "
42,690 "	T-cloth, domestics and sheetings	8,952 "
10,785 "	Tent cloth	880 "
18,954 "	Khadi, Dungri or Khaddar	18,040 "
24,669 "	Other sorts	5,787 "
544,687	<i>Total (A)</i>	128,568

(B)

188,780,000 lbs.	Coloured piece goods	35,251,000 lbs.
5,307 " }	{ Grey and coloured goods } { other than piece-goods. } Hosiery	{ 1,103 " }
1,520,585 doz. }		{ 126,575 doz. }
7,087,000 lbs. }		{ 807,000 lbs. }
2,221,184 doz. }		{ 396,504 doz. }
6,569,000 lbs.	Miscellaneous	891,000 lbs.
8,400 "	Cotton goods mixed with silk or wool	362 "
<hr/>		
166,145,000 lbs.	Total (B)	38,414,000 lbs.
3,741,769 doz.		523,079 doz.
<hr/>		
710,830,000 lbs.	Grand (A + B)	166,982,000 lbs.
3,741,769 doz.	Total	523,079 doz.
<hr/>		

DISTRIBUTION OF COTTON MILL PRODUCTION IN PROVINCES

The respective shares of different provinces in the production of cotton goods are, in 1000's of lbs., :—Madras 24,807 ; Bombay 494,611 ; Bengal 43,548 ; United Provinces 70,243 ; Punjab 17,918 ; C. P. & Berar 25,163 ; Ajmer-Merwara 6,751 ; Delhi 25,809 ; Bihar 1,977 ; Sind 3. *Total* 710,830,000 lbs.

COTTON MILLS : NUMBERS, LOOMS AND SPINDLES 1939-40

<i>Province</i>	<i>Number of Mills</i>	<i>Number of Looms</i>	<i>Number of Spindles</i>	<i>Paid-up capital in Crores of Rupees</i>
Madras	55	5,623	1,322,116	4·6 and £51,643
Bombay	212	128,055	5,349,756	20·4
Bengal	30	9,998	415,876	2·3
U. P.	24	10,731	684,354	2·2
Punjab	13	2,252	86,748	·3
C. P. & Berar	11	6,573	362,394	2·5
Ajmer-Merwara	3	1,428	52,350	·3
Delhi	5	2,754	111,180	1·6
Bihar	2	312	18,352	·2
<hr/>				
<i>Br. India—Total</i>				
1939-40	355	167,726	8,403,126	34·4 and £51,643
„ 1930-31	261	153,481	7,866,436	33 and £ 51,643
<i>Indian States & Foreign Territory</i>	65	23,795	1,295,693	6·4 and £ 156,580 Fr. 10,000,000

JUTE MILLS

The first power mill in India to spin jute started work at Rishra near Serampore (Bengal) in 1855, and the first weaving mill at Baranagar in 1859. The industry progressed steadily until 1875, when there was a temporary setback owing to a too rapid increase in the number of looms. Since then the record is one of almost uninterrupted progress. Hand-weaving has in consequence altogether died out, but the hand spinning of jute twines is still carried on as a cottage industry throughout the jute growing areas. The number of mills at work increased from 21 in 1888-84 to 107 in 1938-39, while the nominal capital of jute mills increased from Rs. 270 lakhs to Rs. 27 crores and £3 million and 3·75 million dollars; the number of looms increased from 55,000 to 67,939, while the number of spindles increased from 88,000 to 1,950,465. The consumption of raw jute in Indian mills is more than half the total jute produced in India, the actual figures of Indian mill consumption for 1937-38 is 7,355,695 bales of 400 lbs. each. Practically all the mills in the neighbourhood of Calcutta are on the banks of the Hooghly, the only mills outside Bengal being 3 in Madras Presidency, 2 in Bihar and Orissa, and 1 in U. P. The most interesting development in the manufacture of jute canvas was when the Russian Revolution closed the principal flax market to the Allies. During the war of 1914-18 and immediately after, the jute industry enjoyed unparalleled prosperity. From 1920-21 to 1928-29 Indian mills worked short time and from 1924-25 onwards entered into an agreement not to increase the productive machinery. In 1929-30 the mills decided to increase their production, but due to the trade depression that followed, the additional output accentuated heavy fall in prices of both raw jute and jute manufactures. The export of bags and cloths, however, increased. In 1930-31 and 1931-32, the jute industry was faced with an alarmingly increasing world-wide depression in trade. Prices of manufactured and raw jute went down sharply. In 1932-33 there seemed to be little improvement, and the exports of gunny bags increased. The year 1934-35 was one of a comparative steadiness in jute industry. Since 1934-35, the mills have increased their production after having progressively released the sealed looms.

Since 1936 Jute Trade in India has been in a thriving condition due to progressive increase in world demand for jute and jute manufactures. By 1938-39 there was a boom in the trade due to war scare and with the outbreak of present war, shipment of jute and jute manufactures had been on an increasing scale. The fixing of the minimum price of jute by the Government of Bengal and the restriction on jute cultivation enforced by the Government of the province have put jute cultivation on a stable basis, so far as the cultivators are concerned. But the outbreak of the present war has been a greater windfall to those engaged in jute trade and cultivation. At certain periods during the war period the future quotation for jute had reached Rs. 90/- per bale of 400 lbs. The extension of war in the Far East has, however, discouraged jute trade and jute shipments, as facilities for shipping jute abroad have decreased.

In 1939-40 there were 107 Jute Mills in India of which 98 were in Bengal. The total paid-up capital of Jute Mills in India is Rs. 20·80 crores, £2·5 millions and \$ 8·75 millions.

JUTE MANUFACTURES 1939-40

	<i>Tons</i>	<i>Million yds.</i>	<i>Million pieces</i>
Twist and Yarn	58,917	...	...
Canvas	3,701	8	...
<i>Gunny Bags :</i>			
Hessian	161,680	750	759
Sacking	624,558	1,447	615
<i>Gunny cloth :</i>			
Hessian	381,779	1,427	...
Sacking	42,677	101	...
Other manufactures including rope and twine	3,597		
<i>Total 1939-40</i>	1,276,909	3,733	1,374
<i>Total 1935-36</i>	1,011,161	1,329	656

NORMAL EXPORT OF RAW JUTE

DISTRIBUTION AND TOTAL VALUE

(according to countries)

<i>Countries</i>	<i>1913-14 (bales)</i>	<i>1931-32 (bales)</i>	<i>1935-36 (bales)</i>
United Kingdom	8,626,067	864,735	980,000
Germany	886,928	782,776	851,000
United States of America	659,866	275,044	445,000
France	407,165	290,466	421,000
Italy	211,512	247,100	275,000
Spain	118,618	199,477	285,000
Other countries	197,603	675,462	1,112,000
<i>Total</i>			
Bales	4,808,326	3,285,060	4,319,000
Tons	768,451	586,618	771,324
<i>Value</i>	<i>£.</i>		
	20,550,929	8,891,022	10,280,726

PAPER INDUSTRY

During the last decade Indian paper industry has achieved remarkable expansion. The demand for writing, printing and other types of paper has been on the increase during the last 25 years and Indian mills have not failed to take advantage of the expanding market. With the outbreak of the present war, paper mills in India have been confronted with the problem of meeting a sudden increase in demand. The spreading of war to Scandinavia, Finland, Holland and Belgium shut the major sources of the supply of mechanical and a large variety of ordinary paper. Indian paper mills have, therefore, been strenuously endeavouring to cope with the situation created by the war and are working under maximum pressure. Luckily for India, a number of new

paper mills have been started and it can be expected that in near future India will be self-sufficient in the supply of paper and board. Due to shortage of foreign supply, the price of paper in India has risen very high and the Indian mills are reaping a good harvest of profit.

PAPER INDUSTRY STATISTICS (PAPER, 'BOARDS, ETC.)

<i>Year</i>	<i>No. of mills</i>	<i>Paid-up capital in lakhs of Rs.</i>	<i>Production in 1000 cwt.s.</i>	<i>Import in 1,000 cwt.s.*</i>
1985-86	17	105	962	2,886
1986-87	23	105	972	2,718
1987-88	18	170	1,076	3,000
1988-89	21	243	1,188	2,582
1989-40	22	248	1,416	2,200

PAPER MILLS : NUMBER, CAPITAL AND PRODUCTION 1989

<i>Province</i>	<i>Number of Mills</i>	<i>Authorised Capital lakhs of Rs.</i>	<i>Production tons</i>
Madras	1	23	4,064
Bombay	4	14	47,246
Bengal	4	106	6,481
United Provinces	2	48	6,831
Punjab	1	33	2,858
Orissa	1	100	3,093
		50	
<i>British India</i>		374	70,273
<i>Indian States</i>		32	2,665
<i>Grand Total</i>		406	72,138

Mechanical wood pulp has not yet been manufactured in India with the result that though there is now a famine for cheap mechanical papers, local mills have been unable to take advantage of the situation and the demand is being met with ordinary paper. The cost of paper production has considerably increased owing to rise in the price of chemicals and other ingredients necessary for manufacture of paper. The present maximum productive capacity of Indian paper industry is not more than 100,000 tons. whereas the minimum needs are 150,000 tons per annum. From the middle of 1940 paper scarcity in India has intensified and by the autumn-winter 1941-42, famine conditions and prices prevailed in the market. The Government have, however, taken elaborate measures for controlling prices and distribution of paper in India and have, to a great extent, succeeded. A serious situation has arisen in newsprint. Nearly the whole of it is to be imported from abroad. But war conditions do not permit the import of even a third of the normal requirements of such paper in India. The Government are, therefore, rationing newsprint and have fixed up minimum prices of newspapers.

* Since the middle of 1940, imports of paper have severely fallen off and at present only a small quantity of newsprint is imported under Government Control from U. S. A. and Canada.

MINOR MANUFACTURING INDUSTRIES

*Cement Industry** : In 1937-38 India produced 1,169,894 tons of cement. Since 1934, the industry has shown an upward tendency in production. The industry is mainly localized in Bihar and C. P. India has already been independent of the necessity of depending on imported cement and is expected in near future to enjoy exportable surplus. During the last ten years Indian cement production has more than doubled itself.

Salt Industry : Salt is manufactured in large quantities in the maritime areas of Bombay, Madras and Bengal, though some considerable quantities of rock salt are extracted in the Punjab, North-West Frontier Province, and elsewhere. The maximum total of salt production in India may be estimated at about 50 million maunds per year. The production of salt has greatly increased, while imports have fallen off in recent years. In 1939-40 the total production was 43 million maunds.

Woollen Industry : The industry is particularly localized in the Punjab, Kashmir, and in U. P. In 1939 there were 41 woollen mills with aggregate paid-up capital of over Rs. 1 crore for India.

Film Industry ; Though one of the latest Indian industries, the film industry has achieved very quick growth during the last decade. At present about 40,000 persons are earning their livelihood from this industry and the total capital invested in this industry may be estimated to be above Rs. 20 crores. The cities of Calcutta and Bombay, with their suburbs, are the principal centres of this industry.

Matches : India now produces nearly all her requirements of matches, In 1939-40 not less than 22 million grosses of match boxes or booklets were manufactured in India.

INDIA'S FOREIGN TRADE

The principal characteristics of India's foreign trade are : (1) more than 90% of it is sea-borne trade ; (2) India's imports mainly consist of manufactured goods, and her exports, of raw materials or semi-manufactured goods ; (3) normally there is every year a favourable balance of trade. Before September 1931, gold was an important item on the import list. But since England went off gold standard and the rupee exchange was linked to the sterling in September 1931, the position has been reversed. Since that time India has been exporting huge quantities of gold every year. But the import of silver has not been affected. Favourable balance of trade is a necessity for India in that we are to pay out every year a large amount of money to foreigners as Home Charges, interest and profits on foreign investment in India and sundry other payments. Before Sept. 1931, a large proportion of the favourable balance of trade used to be employed in buying gold and silver. As the tables appended to this section will show, the United Kingdom is our biggest individual customer, and on our part we are the biggest customers of U. K. goods. But in normal times we purchase from U. K. more than we sell, whereas in our transaction with other countries we usually enjoy a favourable balance of trade.

* Figures of production after 1937-38, not available.

BALANCE OF TRADE

	<i>Average for five years ended</i>		<i>(In crores of rupees)</i>	
	1938-39	1939-40	1940-41	1941-42
Exports	1,81	2,22	2,08	2,87
Imports	1,37	1,45	1,89	1,73
Balance	44	77	69	64

DIRECTION OF TRADE

(In lakhs of rupees)

	<i>Imports of foreign merchandise</i>	<i>Exports of Indian merchandise</i>	<i>Balance of trade (exclu- ding re-exports)</i>
	1938-39		
U. K.	46,49	55,51	+ 9,02
Burma	24,35	10,03	-14,32
Ceylon	1,18	5,09	+ 3,91
British Empire	88,56	85,37	- 3,19
European countries other than U. K.	26,93	29,61	+ 2,68
Japan	15,41	14,59	- 82
U. S. A.	9,78	13,88	+ 4,10
<i>Total Trade</i>	152,33	162,79	+10,46

1939-40

(Figures in Lakhs of Rupees)

	<i>Imports of foreign merchandise</i>	<i>Exports of Indian merchandise</i>	<i>Balance of trade (exclu- ding re-exports)</i>
	1939-40		
U. K.	41,61	72,48	+30,87
Burma	31,38	12,30	-19,08
Ceylon	1,46	6,37	+ 4,91
British Empire	93,11	114,06	+20,95
European countries other than U. K.	19,48	21,63	+ 2,15
Japan	19,29	13,99	- 5,30
U. S. A.	11,86	24,42	+12,56
<i>Total Trade</i>	165,28	203,92	+38,64

1940-41

(Figures in Lakhs of Rupees)

	<i>Imports of foreign merchandise</i>	<i>Exports of Indian merchandise</i>	<i>Balance of trade (exclu- ding re-exports)</i>
	1940-41		
U. K.	35,97	64,97	+29,00
Burma	28,36	16,34	-12,12
Ceylon	2,19	7,31	+ 5,12
British Empire	89,74	116,66	+26,92
European Countries other than U. K.	4,65	6,36	+ 1,71
Japan	21,55	9,00	-12,55
U.S.A.	27,01	25,91	- 1,10
<i>Total Trade</i>	156,79	186,91	+30,12

	1941-42		
	<i>Exports</i>	<i>Imports</i>	<i>Balance</i>
British Empire	149	106	+48
% of total	61	62.7	
Foreign countries	88	68	20
<i>Total Trade</i>	237	173	64

The value of the leading articles of private merchandise (Indian produce only in the case of exports) was as follows in 1938-39.

IMPORTS

<i>Commodity</i>	<i>Value</i> (in Rupees)	<i>Commodity</i>	<i>Value</i> (in Rupees)
Cotton (raw)	8,50,89,194	Chemicals	3,05,28,600
Cotton manufactures (including twist and yarn)	14,15,27,167	Hardware	2,57,27,194
Metals and ores	10,86,51,500	Liquors	2,10,82,783
Machinery and mill work	19,04,77,828	Paper and pasteboard	3,22,98,342
Silk (raw & manufac- tured)	1,94,15,368	Woollen goods	2,19,78,897
Oils	15,62,41,088	Spices	2,68,42,567
Tobacco	1,04,55,007	Provisions	2,48,41,461
Glass	1,25,12,058	Instruments, apparatus, appliance & parts thereof	5,85,26,869
Dyeing and tanning substances	3,11,19,795	Faints & painters' materials	88,98,858
Drugs and medicine	2,20,53,280	Tea-chests	90,80,089
Wood and timber	2,86,68,991	Mechanically propelled vehicles	5,58,46,828
Building and engineering materials	62,17,880	Books printed, and printed matter	58,92,132
Fruits and vegetables	1,84,48,180	Earthenware & porcelain	89,19,207
		Grain and pulse	18,76,46,478
		Coal and coke	8,04,781

EXPORTS

<i>Commodity</i>	<i>Value</i> (in Rupees)	<i>Commodity</i>	<i>Value</i> (in Rupees)
Jute (raw)	18,89,67,160	Hides & skins & leather goods	9,12,24,068
Jute (manufactured)	26,26,11,378	Seeds (oil seeds mainly)	15,09,21,698
Cotton (raw)	28,85,89,154	Lac (excluding lac dye)	1,26,651,48
Cotton (manufactured) including twist and yarn	7,11,79,205	Wool (raw)	2,98,68,271
Rice	3,18,26,871	Wool (manufactured)	86,26,288
Wheat and wheat flour	8,26,22,667	Oils	1,08,89,066
Other grain and pulse	1,29,62,915	Rubber (raw)	71,57,806
Tea	28,42,49,105	Other dyes and tans	58,69,575
Spices	78,65,521	Paraffin wax	86,24,864
Hemp (raw)	71,98,188	Tobacco	2,75,68,159
Manganese ore	1,07,24,787	Coir goods	95,71,292
Other kinds of metals & ores	3,88,76,762	Manures	37,21,685
Oilcakes	3,01,19,582	Wood	28,66,418
Fruits and vegetables	2,26,86,466	Coal and coke	1,86,24,982
		Sugar (refined & unrefined)	24,17,62C
		Coffee	75,10,857

INDO-BURMESE TRADE

(In lakhs of Rupees)

	1939-40	1938-39
Exports to India	83.05	26.85
Exports to other countries	21.82	22.15
Imports from India	13.99	11.18
Imports from other countries	11.16	9.60

NOTE : Trade with Indian in 1938-39 represented 54 per cent of Burma's foreign trade and 59 per cent in 1939-40.

INDIA'S INTERNAL TRADE

The following figures indicate the weight of commodities which were handled for internal trade :

(Figures in thousands of maunds)

	1938-39	1939-40	1940-41
Coal and coke	441,855	496,499	480,840
Cotton, raw	11,986	13,531	13,973
Cotton piecegoods	11,077	11,292	12,761
Grain, pulse and flour	131,272	143,338	130,132
Hides & skins, raw	2,679	3,382	2,943
Jute, raw	31,497	32,767	28,073
Gunny bags & cloth	5,218	5,484	5,856
Iron and steel bars, sheets, etc.	41,894	41,931	44,101
Oilseeds	50,062	43,772	39,349
Sugar	24,470	15,650	20,623
<i>Total</i>	760,010	807,696	778,651

LABOUR IN INDIA

The problem of Indian labour is not merely the problem of industrial labour. Apart from the wage-earners in factories, the wage-earners in the field and in small cottage industries and workshops, which are not enumerated as factories and which do not come under the benignant provision of factory laws or labour laws, number millions. There are more than 15 million industrial workers in India, but of these only some 2 millions are factory workers. If we include the 82 million landless agricultural labourers, it would appear that labourers in India are a major class and their welfare is a major national problem. Labour in India is a new force. It is only since the war of 1914-18 that labour as an agency in industrial production has begun to assert itself and make its existence felt. But the labour problem in India is not a national problem in the sense in which it is so in industrialized countries. The industrial labour—the wage-earners—form a microscopic minority in India. Prices and cost of living in India had risen enormously during the last war ; but after the war, the rise in prices did not only persist but attained heights unprecedented in India. Industrial wages are always slow in keeping pace with rise in cost of living and industrial labourers were put to great difficulties,

In 1920 began industrial strikes which spread with the rapidity of epidemics throughout 1921 and persisted with virulence during 1922-25. During 1921-25 more than 1,000 strikes occurred in India, of which 396 took place in 1921 alone. Labour as a political force in India has been recognized in both the Constitution Acts of 1919 and 1935. Under the Act of 1919, in all the provincial legislatures labour had nominated members but under the Act of 1935, labour has been granted representation on provincial legislatures. Under the auspices of the International Labour Office of the League of Nations, the Government of India had been taking keen interest in various labour problems in India and attempting to bring conditions of working hours in line with the conditions in progressive countries of the world. The two decades following 1923, i. e., the year when the first Workmen's Compensation Act was passed, marked the rise, growth and organization of labour movement in India and a series of legislations guaranteeing sundry benefits and privileges to Indian labour was passed both by the Central and the provincial legislatures in India.

LABOUR IN RECENT YEARS

Labour legislation has only recently come to occupy an important position in our national life. The first Factory Act was passed in 1881 and the second in 1891. But there was no further advance in factory legislation during the next twenty years; this period saw intense industrial activity in India and also growing agitation against the existing industrial system. By the Act of 1911 the hours of male adult workers were, for the first time, restricted by law and more extensive provisions relating to health and safety were introduced. Then came the Great War of 1914-18. The rising prices and profits and the general discontent led to increased consciousness of power and a growing unwillingness to accept disagreeable conditions; the war had done much to open the eyes of our workers to the conditions of work outside India and our Government also sent representations to the first International Labour Conference, which met at Washington in 1919.

The Factories Act of 1922 (amended by the Acts of 1923, 1926, and 1934) prescribes a daily, as well as, a weekly limit to the hours of work in factories; the law also insists on certain conditions with regard to ventilation, light and temperature being observed to secure workers against danger to health or serious discomfort, and also provides for rest intervals and a weekly holiday. Some provinces have passed *Maternity Benefit Acts*, by which leave of absence is granted to women workers for a certain period before and after confinement, while all the provinces have appointed Factory Inspectors. Some provinces have made rules requiring the provision of first-aid appliances, sterilized dressings, etc., for the benefit of workers, who may get hurt in spite of all precautions. The Workmen's Compensation Act of 1926 (as amended in 1929, 1931, and 1938) provides that the worker or his family should be compensated for certain kinds of injury, or death while on duty, according to a fixed scale.

There were few industrial disputes in India during the last century. It was in the second decade of the present century that the strike came to be regarded as an ordinary weapon of industrial warfare; the strike situation was very serious immediately after the conclusion of the Great War, but the next few years were comparatively quiet. The millowners, however, tried to introduce rationalization and new methods of work, and there were several big strikes in 1928. The next year was a very important year in the history of

our labour movement. The All-India Communist workers were arrested and tried at Meerut; the Royal Commission on Indian Labour arrived in India on 11th October and a Court of Inquiry was set up in Bombay, which recommended the constitution of a joint tribunal of arbitration, to which a dispute could be referred after a strike.

The central organization of the trade union movement in India, namely the All-India Trade Union Congress (which had been inaugurated in 1920 and to which most of the important unions in this country were affiliated) met for its tenth annual session in November, 1929, at Nagpur and passed several important resolutions, but some moderate workers seceded from this organization and set up a separate federation called the Indian Trades Union Federation. In 1935, however, a Joint Committee of the two organizations, viz., the All-India Trade Union Congress and the National Trades Union Federation (1938), was formed with a view to promoting unity which has only recently been achieved.

In 1931 the Royal Commission's Report was published; it is an important reference book for students of social legislation and labour welfare in India. Some of its recommendations are very valuable indeed. Judgment was delivered in the famous Meerut case on the 16th January 1933, and twenty six persons were sentenced to varying terms of imprisonment. The Indian Factories Act based on the Royal Commission's recommendations was passed into law in 1934; the Factories (Amendment) Act 1940, passed by the Government of India, was brought into operation from 9th April 1940. Provincial autonomy was established in 1937 and Congress Ministries were set up in several provinces. In Bombay, Bihar, C. P. and U. P., Committees of Inquiry were appointed to examine existing levels of wages and conditions of employment and to make recommendations. The various Boards and Committees made several recommendations, some of which were accepted. The labourers' representatives in the Bombay Legislative Assembly, however, very vigorously opposed the Industrial Disputes Act of 1938, as it sought to deprive the workers of their fundamental right to strike work; a one-day strike was organized on the 7th November, and the police had to open fire on two occasions. Yet this Act is regarded by some as perhaps the most advanced piece of labour legislation ever attempted in this country. Several Labour Inquiry Committees have recently been appointed in the various provinces: the Bombay Textile Labour Inquiry Committee in October, 1937; the Cawnpore Labour Inquiry Committee in November, 1937 (with Dr. Rajendra Prasad as Chairman); the Central Provinces Textile Labour Inquiry Committee, in February 1938; and the Bihar Labour Inquiry Committee, in March 1938 (again with Dr. Rajendra Prasad as Chairman).

The outbreak of war in September, 1939 affected all the principal industries in India and all her industrial workers. Everywhere millowners had been trying to reduce costs of production, but with a great demand for commodities of all varieties, prices began to rise and factory employees began to demand increases in wages in the form of dearness of food or war allowances. Discussions were held with the object of securing agreement on the extent of relief to be granted. Some reasonable concessions were granted. A Committee of Inquiry was appointed in C. P. with Professor P. C. Mahalanobis, I. E. S. as Chairman and it recommended that a dearness allowance should be granted to the workers. In Bombay too the Government appointed Industrial Courts and Boards of Conciliation; in some cases dearness allowances were granted.

In other parts of the country also various similar measures were adopted. Under National Service (Technical Personnel) Ordinance 1940, passed on 28th June of the same year, the Central Government was empowered to constitute National Service Labour Tribunals in different parts of the country for finding necessary workers for notified factories. In order to effect co-ordination in Labour Legislation the Labour Member of the Government of India held conferences in Calcutta in January 1941 and the Agenda comprised several benevolent labour legislations including Trades Dispute Acts. These conferences were followed by Labour Ministers' Conference held at New Delhi and presided over by the Labour Member of the Government of India.

War & Industrial Workers : The Government, Railway authorities, and owners of big factories and industries provided during 1942-43, dearness allowances on an increasing scale to workers in response to the all-round rises in prices of essential commodities. Increased provision for A. R. P. protection in factories, where necessary, and for supply of food-stuff at moderate prices are two other mentionable measures taken by industrial employees under inspiration and pressure from the Government.

Labour in Indian Mines and Railways, etc. : The Indian Mines Act of 1928 (as amended in 1935) has introduced certain changes in the conditions of employment of labour in the mines ; there are some Mines Boards of Health, which look after the health of the labour force. All railways workshops come under the Indian Railway (Amendment) Act of 1930, which gave effect to the Government's statutory obligations under the International Labour Conventions. The Tea Districts Emigrant Labour Act, 1932, is based on some of the recommendations of the Royal Commission on Labour. In August 1937 was published the programme of the Congress Ministry in Bombay regarding the welfare of the industrial worker. "They visualize the development of a comprehensive system of social insurance and have under consideration the feasibility of legislation for the grant of leave with pay during periods of sickness, in the hope that it will pave the way for sickness insurance. There are considerable difficulties in the way of introduction and enforcement of social insurance in India."

The Indian trade union movement has grown stronger and stronger during the last few years ; still its progress in India is not comparable with the progress in the west. The labour force is heterogeneous in character and effective combination is very difficult indeed. Gradually, however, matters may be expected to improve in all these respects.

At the 18th session of the All-India Trade Union Congress held in Bombay on the 26th September 1940, the General Council passed a number of resolutions dealing with various questions concerning the Congress. The suggestion that the National Trade Union Federation should be merged with All-India Trade Union Congress was accepted by the Council. The two resolutions demanding immediate repeal of Ordinances regarding the conscription of labour, and Amendment of Payment of Wages Act were passed. A third resolution called upon the constituent unions and workers in general to agitate for securing dearness allowances for Indian labour. The General Council also passed a resolution protesting against the restraint placed on certain labour leaders since the outbreak of the war. Other resolutions passed by the General Council concerned with social welfare, urging the Government to take measures for securing social insurance for labour, reduction of working hours, minimum living wages, etc. As regards India's attitude towards the present

war the General Council expressed the view that participation in the war, if it did not result in the establishment of freedom and democracy in India, will not be to the benefit of India or to the benefit of the working classes. The invasion of Russia by Germany in June 1941 has profoundly affected the attitude of Indian Labour to the present War. There appear to be waves of anti-Axis feelings among labourers of all classes in India; and a consciousness that the defeat of the Axis powers is to the best interest of labourers.

TRADE UNIONS : NUMBER, MEMBERSHIP AND INCOME

<i>Year</i>	<i>No. of trade unions registered</i>	<i>Membership</i>	<i>Income (including balances carried over from previous year)</i>
1928-29	75	181,077	...
1929-30	104	242,355	8,32,707
1930-31	119	219,115	7,22,192
1931-32	131	235,693	9,58,865
1932-33	170	237,369	11,19,986
1933-34	191	208,071	10,34,119
1934-35	213	284,918	10,90,046
1935-36	241	268,326	12,44,927
1936-37	262	257,308	10,60,105
1937-38	420	390,112	13,13,772
1938-39	555	399,159	13,82,176

TRADE UNIONS IN INDIA (1937-38)

<i>Branches of Industries</i>	<i>No.</i>	<i>Membership</i>
Railways (including railway work-shops and other transport)	78	144,991
Tramways	6	4,357
Textiles	75	73,074
Engineering	22	8,729
Printing presses	28	10,442
Municipal	39	14,409
Seamen	6	45,121
Docks and Port Trusts	16	16,645
Miscellaneous	124	81,391
<i>Total</i>	<i>394</i>	<i>399,159</i>

FACTORY LABOURERS IN INDIA

<i>Year</i>	<i>No. of Factories</i>	<i>Average daily attendance</i>	<i>Year</i>	<i>No. of Factories</i>	<i>Average daily attendance</i>
1894	815	349,810	1930	8,148	1,528,302
1910	2,359	792,511	1936	9,323	1,652,147
1914	2,986	950,978	1937 (a)	8,930	1,675,869
1918	3,486	1,122,922	1938	9,748	1,787,755
1926	7,251	1,518,391	1939	10,466	1,751,187
			1940	10,900	1,844,400

(a) Since 1937 Burma figures excluded.

AVERAGE DAILY NUMBER OF WORKERS EMPLOYED IN INDUSTRIES IN BRITISH INDIA 1939

Factories	<i>Perennial workers</i>	<i>Seasonal workers</i>	<i>Total</i>
	1,460,814	290,823	1,751,137

WORKERS IN MINES

<i>Year</i>	<i>No. of Mines</i>	<i>No. of workers</i>	<i>Year</i>	<i>No. of Mines</i>	<i>No. of workers</i>
1924	1,804	258,277	1936	1,978	269,598
1929	1,782	269,701	1937	1,925	267,858
1935	1,813	253,970	1938	1,935	306,260
			1939	1,864	305,344

INDUSTRIAL DISPUTES IN INDIA (1921-39)

<i>Year</i>	<i>Number of disputes</i>	<i>Number of workpeople involved</i>	<i>Year</i>	<i>Number of disputes</i>	<i>Number of workpeople involved</i>
1921	369	600,851	1931	166	208,008
1922	278	435,434	1932	118	128,099
1923	218	301,044	1933	146	164,938
1924	183	312,462	1934	159	220,808
1925	184	270,423	1935	145	114,217
1926	128	186,811	1936	157	169,029
1927	129	181,655	1937	379	647,801
1928	203	506,851	1938	399	401,075
1929	141	532,016	1939	406	409,189
1930	148	196,801	1940	322	452,589

NOTE : During 1930-35, period of falling prices, labour unrest was at the minimum level.

PRICES

INDEX NUMBERS OF WHOLESALE PRICES IN CALCUTTA

(FROM 1917 TO 1948. 1914=100)

<i>Year</i>	<i>Annual Average</i>	<i>Year</i>	<i>Annual Average</i>	<i>Year</i>	<i>Annual Average</i>
1917	145	1930	116	1942	185
1918	176	1931	96		
1919	196	1935	99	1948 Jan.	250
1920	202	1936	91	Feb	253
1921	179	1937	102	" March	272
1923	172	1938	95	" April	293
1925	159	1939	108	" May	325
1928	145	1940	120	" June	319
1929	141	1941	189		

NOTE : The last world war was marked by a very high rise of price in India and the world at large. In 1918, the price level was 100 and in 1917 it was 145. But immediately after the armistice of 1918, the rise in prices was sharper, the maximum point being reached in 1920. The sharp fall after 1920 and 1929 indicates the starting points of trade depression of 1922-28 and that of 1930-31.

INDEX NUMBERS OF WHOLESALE PRICES IN CALCUTTA
OF CERTAIN GROUPS OF ARTICLES (*July 1914=100*)

<i>Annual Average</i>	<i>Cereals</i>	<i>Pulses</i>	<i>Sugar</i>	<i>Cotton* manufactures</i>
1933	66	84	131	113
1935	75	85	128	117
1938	72	88	132	106
1939	86	99	164	106
1940	99	101	157	122
1941	112	105	145	179
1942	157	162	203	—
1943 January	260	238	258	
„ Feb	266	280	260	
„ March	334	309	293	
„ April	375	307	280	
„ May	473	374	311	
„ June	447	365	329	

INDEX NUMBERS OF WHOLESALE PRICES IN INDIA AND
CERTAIN OTHER COUNTRIES (*India 1929=100*)

	<i>Calcutta</i>	<i>Bombay</i>	<i>U.K.</i>	<i>U.S.A.</i>	<i>Canada</i>	<i>Germany</i>	<i>Japan</i>
1935	65	68	78	84	75	74	84
1937	72	73	95	91	88	77	108
1938	68	70	89	82	82	77	114
1939	76	75	90	81	79	78	126
1940	85	81	120	82	87	80	142
1941	99	94	134	92	94	82	150
1939 August	71	71	86	79	76	78	124
„ Septbr.	81	83	92	83	82	78	131
„ October	84	83	97	83	83	78	133
„ Novbr.	93	92	104	83	84	78	136
„ Decbr.	97	93	107	83	85	78	143
1940 January	92	88	110	83	86	79	146
„ April	86	83	116	82	87	80	143
„ July	81	79	122	82	86	81	139
„ Octbr.	86	79	125	83	87	81	141
1941 January	86	81	131	85	88	81	143
„ February	84	80	131	85	89	81	144
„ March	87	83	132	86	90	81	147
„ April	90	84	132	87	91	82	148
„ May	92	85	132	89	93	82	148
„ June	97	88	133	91	94	82	151
„ July	106	97	134	93	95	83	152
„ August	107	99	134	95	96	82	151
„ Septbr.	106	100	135	96	97	82	153
„ Octbr.	107	105	135	97	98	82	153
„ Novr.	111	112	136	97	98	82	155
„ Decr.	109	124	137	98	98	82	158
1942 January	110	127	...	100	...	83	...
„ Febv.	109	134	...	...	...	...	...
„ March	109	136	...	...	...	...	...

* Rose upto 237 in Nov. 1942, thereafter quotations not available.

Commodity Prices, 1942-43

Commodity prices during the year 1942-43 and there-after followed a steep and continuous upward course, the general rate of rise being more than double of that in the previous year. The Government of India's economic Adviser's general index of wholesale prices (August 1939-100) was 110.3 in June 1940, 180.2 in June 1941, 158.6 in June 1942 and showed a much more rapid ascent to 237.8 or by 50 per cent during the year ending 30th, June 1943. The increase was more or less uniformly distributed over the price levels of primary commodities as a whole and manufactured articles. Calcutta Index numbers of wholesale prices disclose interesting disparities in the movements of relative prices of various commodities. "The index number for all commodities which had risen from 187 to 182 from June 1941 to June 1942, or by 40 per cent, advanced further to 325 in May 1943, or by 79 per cent. The indices of cereals and pulses which were 154 and 151 respectively in June 1942 had shot up to 478 and 374 respectively in May 1943; sugar showed a comparatively smaller rise from 210 to 311 during the same period while the index of tea declined after a rise during the winter months from 259 to 192 between June and May. "Other food articles" continued their giddy rise from 294 in June 1942 to 545 in May 1943. The lack of adequate transport facilities, the imposition of provincial barriers and the consequent difficulties of distribution between the producing and consuming areas and the cessation of imports from Burma and the Pacific area in the face of growing demands contributed to the rise in the prices of food articles which was also assisted by hoarding and speculation and continued in spite of various measures of control over essential commodities such as wheat and sugar. The prices of Jute, raw and manufactured, remained at a comparatively low level in the earlier part of the year owing to the unsatisfactory freight situation but began to recover erratically from November and their respective indices rose from 72 to 147 and 126 to 195 during the year. Raw cotton prices also had a consistent upward course, and the Economic Adviser's index advanced from 90 in June to 100 in August and 199 in May 1943. The index number (estimated) of cotton manufactures swiftly increased throughout the year from 218 in June 1942 to 524 in May of this year, owing to the diversion of a considerable proportion of capacity for the production of requirements of the defence services, the disappearance of imports and increase of exports, as also speculative buying by dealers and consumers alike. Hides and skins and metals, too, continued to rise. There have also been greater disparities during the year in the prices of commodities from place to place."

RAILWAYS IN INDIA

Short History: In 1845, the Court of Directors of the East India Company agreed to build railways in India and wrote to the Governor-General accordingly. In 1849, three experimental lines were sanctioned, viz. (i) from Calcutta to Ranigunj (120 miles), (ii) Bombay to Kalyan (83 miles), and (iii) Madras to Arakonam (90 miles). The first railway train to move in India was along the second of these lines, i.e., from Bombay to Kalyan and on the 18th day of the month of April, 1853. The railway between Calcutta and Pandua was opened on August 15, 1854.

In the next few years the following eight companies were floated in England; (i) East Indian, (ii) Great Indian Peninsula, (iii) Madras (now

absorbed by the Madras and Southern Marhatta and South India), (iv) Bombay Baroda and Central India, (v) Eastern Bengal, (vi) Calcutta and South Eastern (later merged in the Eastern Bengal), (vii) Scinde, Punjab and Delhi (absorbed by the North-Western), and (viii) Great Southern of India (later South Indian) Railways. The length contemplated to be covered was about 5,000 miles and the guaranteed capital totalled £52 millions. The contract was that the East India Company (or Secretary of State for India) would provide with the land and guarantee interest on the capital outlay according to the market rate and that the Government would retain half of any surplus profit in any half year. The usual period of lease was 99 years, but the State reserved the right to take over any line after 25 or 50 years upon certain terms. But as the expectations in regard to profits were not in all instances reached, the original policy had to be given up, and in 1869, the decision was reached to raise the capital required for railway construction in India by direct State agency and to make working expenditure a charge on current revenues. The Government also surrendered the right of preemption at the end of 25 years in case of certain guaranteed lines in exchange for the right to half the surplus profits in any half year. Later on when the Famine Commission, appointed after the great famine of 1877-78, remarked that the railway construction in India was still 5,000 miles short of the mileage required to meet the consequences of the famine, an attempt was again made to attract private capital under guarantee. The general practice in respect of guaranteed companies formed before 1869 and since 1881 has been to terminate the contracts at the earliest possible date. Since 1880 the Government has been exercising wide control over the methods of railway working and the Government can take possession of the lines under specified terms if it will repay at par the capital of the companies. A table follows showing earlier conditions of the original eight lines :

<i>Lines</i>	<i>Date of first contract with Govt.</i>	<i>Opening date of the first part</i>	<i>Mileage covered at the end of years</i>		
			1858	1863	1868
Great Indian Peninsula	1849	April 18, 1853	194	553	475
East Indian	1849	August 15, 1854	141	987	1,853
Madras	1852	July 1, 1856	95	447	678
Bombay, Baroda	1855	Feb. 10, 1860	...	185	305
Scinde, Punjab and Delhi	1855	{ May 18, 1861 April 10, 1862	...	150	408
Eastern Bengal	1858	Sept. 29, 1862	...	110	114
Great Southern India	1858	July 15, 1861	...	79	168

A list follows of some other lines and their first opening days :

1856	July 1	Madras and Southern Marhatta	1877	May 1	Burma
			1880	April 6	Bengal-Nagpur
1860	May 23	South Indian	1884	April 2	Bengal and North-Western
1861	May 18	North-Western			
1862	June 24	Jodhpur	1884	Oct. 12	Rohilakhand-Kumaon
1874	Oct. 9	Nizam	1895	July 1	Assam-Bengal

Main Divisions : The variation of policy adopted from time to time towards railway construction is the cause underlying the diversity of conditions governing the relation of the State to the railways in India. The principal

broad divisions are three, firstly five railways owned and worked by the State viz., the North-Western, the Bengal and Assam,* the East Indian, the Great Indian Peninsula and the Burma Railways; secondly, four owned by the State but worked on its behalf by companies enjoying a guarantee of interest from Government, viz., Bombay Baroda and Central India, Madras and Southern Marhatta, Bengal-Nagpur and South Indian Railways; and thirdly, some lines owned by private companies, some of them being worked by the owning companies and some by the State or by companies, working State-owned system, viz., the Bengal and North-Western and Rohilakhand and Kumaon Railways, etc. There are also a number of lines owned by Indian States or District Boards. The length of the Indian railway system, as on 31st March 1940 was 41,156 miles. The standard gauge is 5'-6", but for reasons of economy, metre gauge (3'-11³/₈" was adopted in 1870.

The Government Control : The Indian Railways Act of 1890 vested the Government of India with certain general powers over all railways in India and all railways, for which the Government had to provide fund, had been submitting their annual programme to the Railway Board upto 1922. The Railway Board prepared their annual programme of capital expenditure to be sanctioned by the Secretary of State and the Government of India, and made budget provisions according to the sanction. The Railway Finances were separated from the General Finances of the Government of India in 1924 and in 1926 the powers to sanction capital expenditure on new and open lines up to £1,125,000 accrued to the Governor-General in Council. Improvements and developments were extensively taken up in later years, which had to be curtailed for financial stringency. The money for capital expenditure on railways could only be found with a higher rate of interest and consequently improvements became unprofitable. Some of the company-managed railways, viz., Burma, E. I., G. I. P., and Southern Punjab were taken under State-management at this time.

The Railway Board : The Railway Board at present consists of Chief Commissioner, a Financial Commissioner and a Member. Its reorganized Constitution has been based on the principles underlying the Acworth Committee Report of 1921. Besides preparing the railway programme, the Railway Board is empowered to formulate questions of policy and economy and to settle disputes. The Board of Directors in London of Companies working the Indian railways communicate through their Agents in India. The India Office controls the actions of these Boards by a Government Director. Under the Government of India Act, 1935, the executive authority of the railways has to be exercised by a Federal Railway Authority, the appointment of the President of that body resting with the Governor-General. The act also provides for the Railway Fund, Railway Tribunal, etc.

Economic Effects : Programme of large-scale railway was undertaken by Government of India as a sequel to the recommendations of the Famine Commission of 1880. This object was achieved even by the beginning of the present century. But the immediate economic effects of railway were not desirable. Village economic self-sufficiency was disturbed by the entry of cheap foreign goods to distant rural places in India. Pressure on agriculture increased.

* Eastern Bengal Railway and Assam Bengal Railway have been amalgamated into Bengal and Assam Railway.

But with the growth of Indian industries, particularly coal, jute, cotton, iron, steel, paper, cement—the evil effects have to some degrees been counteracted.

Political and Social Effects : Political unity has begun to be consolidated and the sphere of social relations has been widened. Now we can hear of various all-India organizations and conventions, which even some 75 years ago would not have been dreamed of. Social and political intercourse between different provinces have been made easier and if India can now claim to be a one-nation country, it is for railways more than for anything else.

Railway Statistics (1939-40)

CAPITAL AT CHARGE AND EARNINGS

Year	Total route mileage	Capital at charge to end of year (crores of Rs.)	Percentage of net earnings on capital at charge	Percentage of working expenses to gross earnings
1928-29	40,950	8,31	5·32	62·77
1937-38	41,076	8,46	4·49	64·73
1938-39	41,134	8,48	4·24	64·44
1939-40	41,156	8,53	4·61	64·75

RAILWAY STATISTICS 1939-40

Ownership	mileage	Capital at Charge In crores of Rs.
State Railways Worked by State	15,616	464
State Railways managed by Companies	14,095	292
Other lines	11,445	197

RAILWAY STATISTICS (1939-40)

Route Mileage open for traffic at end of year 1939-40		
Broad Gauge (5½')	...	21,154
Metre Gauge (8'3½")	...	15,899
Narrow Gauges (2' 6" and (2' 0")	...	4,108
<i>Total Route mileage</i>	...	41,156
(In Crores of Rs.) Capital at charge to end of year	...	848
" " Gross earnings	...	107
" " Working expenses	...	71
" " • Net earnings	...	86
Percentage of net earnings on capital at charges	...	4·61
Percentage of working expenses to gross earnings	...	66·75
No. of passengers—	...	855
000 1st class	...	3,959
" 2nd Class	...	11,888
" Intermediate Class	...	518,528
" 3rd Class	...	
<i>Total (in 000's)</i>	...	529,675

Average rates charged per mile

1st Class	...	17'4 pies
2nd Class	...	8'59 pies
Inter Class	...	4'07 pies
3rd Class	...	2'97 pies

Weights carried

...	92,179,000 tons.
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Average rate charged per ton per mile

...	5 98 pies
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Railway Finance*In crores of Rupees*

	<i>Accounts</i> <i>1940-41</i>	<i>Revised</i> <i>Estimates</i> <i>1941-42</i>	<i>Budget</i> <i>Estimates</i> <i>1942-43</i>
1. Receipts and Expenditure :			
Gross traffic receipts	111'94	127'00	125'50
Total working expenses (including depreciation)	65'65	73'13	70'76
A. Net Traffic receipts	46'29	53'87	54'74
B. Miscellaneous receipts	0'85	0'94	1'56
Net Revenues (A + B)	47'14	54'81	56'30
Less Interest charges	28'68	28'61	28'85
Surplus	18'46	26'20	27'95
Contribution to General Revenue	12'16	19'12	20'13
" " Railway Reserve Fund	6'80	...	...
Total Expenditure charged to Capital	2'31	3'88	28'50
Total Expenditure charged to Depreciation fund	7'19	5'12	7'00
II. Capital at charge at the end of the year	760'93	757'96	781'46
III. Depreciation Reserve Fund	81'15	86'60	51'24
Net Accretions during the year	5'45	7'56	5'68
IV. Closing Balance	36'60	51'24	64'74

Civil Aviation*

During the last few years civil aviation in India has been commercialized by Messrs. Tata & Sons, Ltd., and other Indian and foreign concerns. The principal Indian inland services are : 1. Indian Trans-Continental Airways Service from Rangoon via Akyab, Calcutta, Allahabad, Cawnpore, Delhi, Jodhpur, to Karachi. 2. Tata Sons, Ltd.-Service from Madras to Karachi, 3. Indian National Airways Services from Calcutta via Dacca, Chittagong, Akyab, Bassein, to Rangoon and between Lahore and Karachi via Sukkur

* Information relating to period after 31st August, 1939 not available.

and Multan. 4. Air Services of India Ltd., regular services between Bombay and Kolhapur *via* Poona, on Mondays, Thursdays and Saturdays. Besides this India has been linked with most of the important countries of the world by air. Before the outbreak of the present war the Imperial Airways and the K. L. M. Services were enjoying an ever-increasing traffic of mails and passengers. The airmail had been so much popularized that for some years before the outbreak of the present war foreign mails to and from the United Kingdom and certain other countries in the British Empire were exclusively handled by air transport. Mileage of regular air routes in India, the size of foreign mails to and from India have greatly increased. The following figures speak for themselves :

<i>Year</i>	<i>India miles</i>	<i>Mails to India (lbs.)</i>	<i>Mails from India (lbs.)</i>
1984	5,820	78,145	71,449
1985	6,895	111,497	101,915
1986	6,483	136,982	120,498
1987	7,500	167,578	141,954
1988	6,700	585,788	401,111

Airgraph Service : The India-England Airgraph Service, introduced on Feb. 2, 1942 has increased the letter-carrying capacity of Mail 'Planes. Letters to be sent to England are photographed on miniature films about $\frac{1}{2}$ an inch each. The films are then sent by air to U. K. where a photo facsimiles—about 5 inch \times 4 inch—of the original letter are made and are delivered to the respective addresses by the Post Office. 3,000 filmed letters weigh only 12 oz. equivalent to the weight of 12 ordinary air-mail letters.

The Government of India have systematically encouraged civil aviation in India and have subsidized Flying Clubs in India and Burma. Moreover, air surveys have been made by the Government and it is estimated that about 100,000 sq. miles in India and Burma have been surveyed since 1924 both by the Government and by non-Government agencies. The Flying Clubs in India are :—1. The Bengal Flying Club, Ltd., Bengal. 2. The Bombay Flying Club, Ltd., Bombay. 3. Delhi Flying Club, Ltd., New Delhi. 4. Karachi Aero-Club, Ltd., Karachi. 5. Madras Flying Club, Ltd., Madras. 6. Northern India Flying Club, Ltd., Lahore. 7. United Provinces Flying Club, Ltd., Cawnpore & Lucknow. 8. Hyderabad State Aero-Club, Hyderabad, Deccan. 9. Jodhpur Flying Club, Jodhpur. 10. Jaipur Flying Club. 11. The Bihar Flying Club, Patna.

Roads in India

The length and quality of roads in India have in recent years undergone much improvement. Under inspiration from the Government of India most of the provincial Governments and local bodies are now paying increasing attention to road problems. In 1928-29 there were only 67,424 miles of metalled roads, whereas the present mileage is about 120,000. The total of unmetalled roads is somewhere near 250,000 miles. Motor cars, buses and lorries have gained wide popularity and the question of road construction and improvement has, therefore, attracted the notice of all the public authorities in India, responsible for the construction and maintenance of roads. The Road Fund and the Central Road Committee of the Government of India have done much to improve and increase road communications in India.

**EXTRA MUNICIPAL ROADS MAINTAINED BY PUBLIC
AUTHORITIES IN INDIA 1988-89**

<i>Province</i>	<i>Total Water-bond Macadam (A)</i>	<i>Total Surfaced Macadam (B)</i>	<i>Total of (A) and (B)</i>	<i>Total Ex- penditure on Roads In lakhs of Rs.</i>
Madras	21,297	21,441	42,738	110'84
Bombay	10,538	11,134	21,672	118'30
Bengal	3,225	3,887	7,112	95'55
United Provinces	6,937	8,200	15,137	98'05
Punjab	738	4,378	5,116	97'80
Bihar	3,482	4,016	7,498	48'65
Central Provinces & Berar	5,271	5,469	10,740	45'81
Assam	420	692	1,112	41'57
North-West Frontier Provinces	193	1,077	1,270	28'27
Orissa	1,984	2,003	3,987	16'48
Sind	120	263	383	22'30
Delhi	1	128	129	7'48
Baluchistan	200	405	605	12'34
Ajmer-Merwara	215	335	550	8'86
Coorg	241	278	519	1'85
<i>Total</i>	<i>54,892</i>	<i>63,706</i>	<i>118,598</i>	<i>637'84</i>

**NO., TONNAGE & NATIONALITY OF VESSELS AT ENTERING
OR CLEARING BRITISH INDIA PORTS**

<i>Nationalities</i>	<i>1939-40</i>	
	<i>No.</i>	<i>Tons.</i>
<i>British</i>	2,268	6,758,975
<i>British Indian</i>	319	406,082
<i>Native</i>	1,177	71,809
<i>Foreign :</i>		
American	69	313,874
Danish	25	87,609
Dutch	71	285,386
French	17	102,981
German	42	187,764
Greek	65	172,935
Italian	150	785,570
Japanese	168	709,594
Norwegian	172	534,735
Russian	1	2,261
Swedish	17	49,621
Other Nationalities	82	70,897
<i>Total</i>	<i>329</i>	<i>8,303,337</i>
<i>Grand Total</i>	<i>4,598</i>	<i>10,540,208</i>

For further statistics of Shipping read Section on Ports in India.

GOLD AND SILVER

India has been characterized as a sink for world's precious metals. This no doubt held good before 1931, when India was one of the greatest individual consumers of both gold and silver. During the last 175 years India has imported huge quantities of gold and silver. It was only since 1931 that India has ceased to import gold and begun to export gold. It was rightly estimated that India absorbed about 20% of the total world production of yellow metals in normal years. When England went off gold standard the rupee was linked to the sterling, and there was an unprecedented rise in the price of gold, both in India and England. The rise in the price of gold synchronized with world trade depression, which was keenly and protractedly experienced in India. The result was that the millions of gold-boarders in India took advantage of high prices and sold their gold stocks. There are those who take the view that the exodus of gold from India represented distress gold. Though there is considerable truth in this view, yet this is not the complete view. Moreover, many economists hold that depletion of gold resources of India is a weakening of the national resources. Though there is much to be said in favour of this, yet the fact remains that gold was exported at a time when it was to the best advantage of India to export gold and that India obtained almost double the price at which she had originally purchased this gold. During the protracted exodus of 1931-39 India has lost nearly 25% of her gold-hoardings, but this has effected a diminution in her indebtedness to foreign countries and avoidance of further foreign debts. It is difficult to say what is the present total of gold stocks in India.

PRODUCTION OF GOLD

"The estimated production of gold in India in 1941 amounted to 285,162 fine ounces valued at Rs. 327,15,301 as compared with 289,924 fine ounces valued at Rs. 324,61,066 in 1940. The total production during the decade ended 1941 was 3,185,000 ounces or 1.1 per cent of the total world (excluding U. S. S. R.) production of 293,995,000 ounces during the same period. The estimated world production in 1941 was 42,000,000 ounces compared with 40,90,000 ounces in 1940. The British Empire contributed 24,200,000 ounces or 50 per cent of the total world production, accounting for 14.4 million ounces or 59.5 per cent of Empire production and 35.1 per cent of world production. The inflow of gold into the United States considerably abated during the year 1941. The estimated imports for the 11 months ended November 1941, since when the publication of gold import and export statistics has been suspended, amounted to 27 million ounces valued at \$ 929 million compared with 182 million ounces valued at \$ 4,607 million during the corresponding period of 1940. The monetary stocks of gold in the United States increased during 1941 by 20 million ounces valued at \$ 741.8 million as compared with an increase of 124 million ounces valued at \$ 4,851.2 million in the preceding year. The estimated holdings of gold at the end of 1941 totalled 650 million ounces valued at \$ 22.7 billion as against 629 million ounces valued at \$ 22 billion at the end of 1940. Of the total gold stock at the end of 1941, 63 million ounces valued at \$ 2.2 billion were earmarked with the Federal Reserve Banks on foreign account as against 51.6 million ounces valued at \$ 1.81 billion in the preceding year".*

* Report on Currency & Finance 1941-42.

PRODUCTION OF SILVER

"The estimated world production of silver in 1941 amounted to 268 million ounces as compared with the record output of 278 million ounces in 1940. The total holdings of the United States Treasury at the end of 1941 were estimated at 3,280 million ounces. Of this 189.9 millions were acquired during the year, being the smallest acquisition during any year since the inauguration of the Silver Purchase Programme by the Treasury in 1934. The production of silver in India for the nine months ended September 1941 amounted to 18,477 ounces valued at Rs 28,005."*

AVERAGE PRICE OF GOLD

	<i>London</i> <i>Per five ounce</i>			<i>Bombay</i> <i>Per tola</i>		
	<i>l.</i>	<i>s.</i>	<i>d.</i>	<i>Rs.</i>	<i>a.</i>	<i>p.</i>
1939-40	7	18	4	39	14	7
1940-41	8	8	0	42	7	11
1941-42	8	8	0	44	10	10

PRICE OF BAR GOLD IN BOMBAY PER TOLA

	<i>Highest</i>			<i>Lowest</i>			<i>Average</i>		
	<i>Rs.</i>	<i>As.</i>	<i>P.</i>	<i>Rs.</i>	<i>As.</i>	<i>P.</i>	<i>Rs.</i>	<i>As.</i>	<i>P.</i>
1941 April	42	9	0	42	6	0	43	1	1
" July	42	6	6	41	11	0	42	8	0
" Oct.	42	8	9	42	0	9	42	2	0
" Nov.	44	13	0	42	8	0	43	11	10
" Dec.	50	2	0	44	6	6	47	6	11
1942 January	47	12	0	46	1	0	46	14	6
" Feb.	51	0	0	46	15	0	48	15	11
" March	58	4	0	50	6	0	52	15	9

MAXIMUM AND MINIMUM PRICE OF GOLD

Year	Average Per tola			Year	Highest Per tola			Lowest Per tola			Average Per tola		
	Rs.	As.	P.		Rs.	As.	P.	Rs.	As.	P.	Rs.	As.	P.
1931-32	24	12	0	1939-40	43	8	0	36	9	0	39	14	7
1932-33	29	4	6	1940-41	44	5	3	40	2	6	42	7	11
1933-34	31	12	3	1941-42	53	0	0	41	11	0	44	10	10
1934-35	34	11	6										

Report on Currency & Finance 1941-42.

IMPORTS AND EXPORTS OF GOLD COIN AND BULLION

IMPORTS

	Quantity in 1000 ounces	Value in 1000 Rupees
Average for 1900-01 to 1904-05	2,495	15,07.15
Average for 1905-06 to 1909-10	2,845	17,49.60
Average for 1910-11 to 1914-15	4,902	29,92.14
Average for 1915-16 to 1919-20	3,220	19,64.85
Average for 1920-21 to 1924-25	5,529	96,45.22
Average for 1925-26 to 1929-30	3,821	21,66.31
1930-31	2,380	13,24.52
1931-32	450	2,79.95
Average for 1932-33 to 1936-37	193	1,13.90
1937-38	171	1,56.84
1938-39	78	72.63
1939-40	70,9.13	72.24
Total for 31 years from 1900-01 to 1930-1	116,402	714,50.95
Total for 9 years from 1931-32 1939-40	1,484	11,51.19

EXPORTS

	Quantity in 1000 ounces	Values in 1000 Rupees
Average for 1900-01 to 1904-05	1,520	8,83.72
Average for 1905-06 to 1909-10	1,000	5,75.07
Average for 1910-11 to 1914-15	799	4,57.92
Average for 1915-16 to 1919-20	1,075	6,23.42
Average for 1920-29 to 1924-25	1,008	7,74.26
Average for 1925-26 to 1929-30	19	10.82
1930-31	87	49.34
1931-32	5,688	60,77.23
Average for 1932-33 to 1936-37	5,688	49,20.22
1937-38	1,988	17,90.02
1938-39	1,435	13,79.65
1939-40	3,437	37,28.46
Total for 31 years from 1900-01 to 1930-31	27,157	166,75.47
Total for 9 years from 1931-32 to 1939-40	43,328	375,76.49

PRICE OF SILVER 1940-42

	Price in London per standard ounce	Price in New York per fine ounce	Price in Bombay per 100 tolas (country bar)
	Average	Average	Average
	d.	cents	Rs. As. P.
April 1940	28½	34½	62-15-0
July "	28½ ⁹ / ₁₆	"	68-0-2
Oct "	28½	"	62-18-11
Nov. "	"	"	68-1-1
Dec. "	"	35½	67-14-11
Jan. 1942	"	"	70-8-9
Feb "	"	"	78-14-9
Mar "	"	"	82-12-6

IMPORTS AND EXPORTS OF SILVER COIN AND BULLION SINCE 1900

	<i>Imports Rs.</i>	<i>Exports Rs.</i>	<i>Net imports(+) or exports(-) Rs.</i>
Average for 1900-01 to 1904-05	14,64,66,929	4,58,05,415	+ 10,11,61,514
Average for 1905-06 to 1909-10	18,26,25,481	2,12,05,059	+ 16,14,20,372
Average for 1910-11 to 1914-15	14,18,58,602	3,52,17,276	+ 10,61,41,326
Average for 1915-16 to 1919-20	30,70,50,526	2,74,11,840	+ 27,96,38,686
Average for 1920-21 to 1924-25	19,18,47,679	3,45,76,258	+ 15,72,70,821
1925-26	19,89,70,504	2,77,29,354	+ 17,12,41,150
1926-27	21,76,84,160	1,89,53,825	+ 19,86,30,335
1927-28	16,47,87,417	2,68,69,190	+ 13,83,68,227
1928-29	15,52,18,307	6,15,11,381	+ 9,77,06,926
1929-30	13,41,90,827	4,79,78,629	+ 8,62,12,198
1930-31	13,46,62,717	3,38,69,661	+ 10,07,93,056
1931-32	4,42,68,962	4,84,81,050	- 42,17,088
1932-33	1,29,95,157	3,64,26,108	- 2,01,30,951
1933-34	81,72,592	7,17,44,018	- 6,35,71,426
1934-35	4,45,10,039	9,85,74,841	- 5,40,64,802
1935-36	16,45,68,617	7,08,09,479	- 57,40,862
1936-37	13,87,64,907	28,47,436	+ 13,59,17,471
1937-38	2,50,22,330	99,56,495	+ 1,50,65,835
1938-39	2,46,45,104	73,97,354	1,72,47,750

Bullion Market (1942-43)

GOLD

Price movements in the bullion market during June and July of 1942 which were confined to a narrow range, between Rs. 50-10-0 and Rs. 53-15-0 ; but the price showed rise to Rs. 61-10-0 on the 31st Oct. and reached Rs. 72-0-0 on the 8th November as a result of a keen demand for the metal. Thereafter a reaction set in, the price receding to Rs. 61-8-0 by the 17th December, and until March, 1943 the market remained steady with the prices ranging between Rs. 64-10-0 and Rs. 71-13-6. During April-June 1943, however, the bullion market was subject to marked fluctuations as a result of heavy purchases by speculators and option dealers, and the ready price of gold successively reached new high levels, advancing sharply to Rs. 96-4-0 on the 26th April. In order to curb speculative movements, the Bombay Bullion Exchange decided on the 18th May to prohibit all forward and option trading in bullion after the 24th June (which was the last day for the June settlement). As a result, the ready price receded sharply from Rs. 95-4-0 on the 15th May to Rs. 75-4-0 on the 29th. On that date the Government announced a ban on all option and forward contracts in bullion a maximum period of 12 days being allowed for the fulfilment of all spot contracts. The immediate result was a rise in prices owing to uncovered commitments entered into in spite of the previous ban and the rate of gold advanced to Rs. 86-12-0 on the 1st June. During June the price ranged between Rs. 86-12-0 and Rs. 78-4-0 (10th June).

SILVER

Trends in the silver market closely followed those in gold. In July and August 1942 the silver market was relatively steady with the spot price moving narrowly between Rs. 82-14-0 and Rs. 85-4-0. There was then an outburst of speculation, particularly on the suspension of sales by the Reserve Bank from the 8th September 1942, and the price consistently advanced, rising sharply to Rs. 116-8-0 on the 8th November 1942. It, however, came down to Rs. 95-8-0 by the 17th December partly on account of the turn in the war situation and partly on reports of the decision of the United States to Lend-Lease silver to the United Nations to supplement their stocks for purposes of coinage. Thereafter, apart from occasional setbacks arising from fears regarding the possibility of Government intervention to control silver prices, the market maintained a steady tone until March 1943, the prices moving between Rs. 97-14-0 and Rs. 112-10-0. In the following three months speculative buying, induced by an inflation complex, became more pronounced and prices followed a steep though erratic upward course. The spot rate for silver which rose to Rs. 135 on the 26th April advanced further to Rs. 139 on the 3rd May, thereafter falling to Rs. 117 on the 29th May, after which it became steady, and closed at Rs. 123 by the end of June 1943.

INDIAN CURRENCY

The history of Indian currency practically dates from the year 1895 when the present rupee was made a standard coin and the standard measure of value for all the British possessions in India. The history of Indian currency may be divided into several periods.

1. 1895-1893. Silver Standard : During this period, the exchange value of the rupee was determined with reference to the gold value of the silver content of the rupee. The exchange value of the rupee, therefore, widely fluctuated in response to the fluctuations in gold price of silver. After 1870, there was a sharp fall in the price of silver, consequent upon the demonetization of silver by some of the European countries, and the abolition of bimetallic standard. An enormous fall in silver prices resulted in heavy depreciation of the rupee exchange. The Government of India underwent severe monetary losses in remitting Home Charges. It was in this state of things that the famous Horseshell Committee was appointed to recommend measures for establishing a stable currency in India. The committee (1898) recommended the stoppage of free coinage of silver in order to create an artificial scarcity of rupees in India and suggested that 1s. 4d. should ultimately be the exchange ratio for the rupee.

II. 1894-1900. Period of Transition : Indian mints were closed, but the fall in the price of silver could not be arrested, nor the exchange value of the rupee could be stabilized. But in the course of a few years the desired results were obtained and there was a scarcity of rupees in India and a rise in the exchange value of the rupee followed. By 1898, the rupee exchange had slowly risen to about 1s. 4d. It was at this stage that the Government of India appointed the Fowler Committee for recommending measures for establishing a gold exchange standard in India. The Fowler Committee recommended that : (1) The rupee ratio was to be Re. 1 : 1s. 4d. (gold). (2) Sovereigns were to be minted in

India and freely exchanged with rupees at Rs. 15 per sovereign. (3) The rupee was to continue to be an unlimited legal tender. The Government of India introduced a currency system which was effective from 1900, the main features whereof were ; (1) India had a gold exchange standard, the rupee exchange being maintained at 1s. 4d. (gold) by making available gold exchange in London to remitters in India and by supplying in India rupee exchange to remitters in England. The exchange rate was maintained between the two specie points 1s. 3 $\frac{3}{4}$ d. and 1s. 4 $\frac{1}{4}$ d. In maintaining the above exchange rate the Government of India had to build up gold or sterling reserves in London and rupee reserves in India.

III. 1901-1916. The Gold Exchange Standard : With the exception of the years 1907-08 the gold exchange standard worked admirably. It maintained a rising level of industrial production in India and stability of internal prices. But owing to the outbreak of the war in August 1914, both Indian currency and exchange were put to severe strain. Hithertofore the Government of India had issued gold at the rate of £1=Rs. 15, but with the outbreak of the war the issue of gold was stopped. The gold exchange standard was maintained up to the end of 1916, when it was suspended owing to the fact that balance of trade in favour of India had been so enormous that rupee resources of the Government were insufficient to cash all drafts on India.

IV. 1916-1920. Silver Standard : Due to rise in the price of silver and also to nervous hoarding of gold and silver by the people of India it was found more and more difficult to supply sufficient rupees for financing the increasing trade and commerce in India during a period of rising prices. India, therefore, reverted to the silver standard. After the end of hostilities the Government of India attempted to re-establish gold exchange standard.

V. 1920-21. Temporary Gold Exchange Standard : On the recommendations of the Babington-Smith Committee of 1920, the Government of India fixed the exchange ratio for the rupee at 2s. gold in 1920. Meanwhile, England went off gold standard with the result that sterling began to depreciate heavily in terms of gold and dollar. Rupee began to appreciate in terms of sterling with every fall in its purchasing power.

VI. 1921-26. Transition : The price of silver had in the meantime risen so high that the Government of India found it expedient to give up gold exchange standard and leave everything to itself. The rupee exchange, fixed at 2s. (gold) had meanwhile risen to 2s. 8d. sterling, and taking advantage of this favourable exchange, Indian traders and businessmen began to place heavy orders in England for sundry manufactured articles, and Indian exports were severely discouraged. This produced the natural reaction, viz., depreciation of exchange. In 1921 it reached 1s. 3d. and eventually 1s. But very soon the demand for Indian materials and agricultural produces rose and the exchange began to rise step by step till in 1925 it touched 1s. 6d. sterling. At this stage England again linked her currency to gold.

VII. 1927-31. Gold-Bullion Standard : There rupee became equal to 1s. 6d. (gold). The Government of India appointed the Royal Commission on Indian Currency and Exchange, the Hilton-Young Commission. The main recommendations of the Commission, which published its report in 1926, were that : 1. Rupee was to be stabilised at 1s. 6d. gold. 2. India was to have a gold bullion standard, the Government of India undertaking to sell and purchase gold at fixed prices. 3. A central bank of issue which was to act

both as a Government's bank and a bankers' bank was to be established. The Commission made some other minor recommendations. In pursuance of the recommendations of the Commission the rupee exchange was stabilized at 1s. 6d. (gold) and the Government of India undertook to sell and buy gold at fixed prices, and gold bullion standard was sought to be established in India by the currency and coinage Act of 1927. But there was some flaw in the Act; the Government of India could at their option give sterling exchange in place of gold bullion. This clause gave the Government the power to convert the gold bullion standard into a sterling exchange standard whenever necessary.

VIII. 1931 to Date. Sterling Exchange Standard : When England went off gold standard in September, 1931, the Government of India by notification absolved themselves of the responsibilities of giving gold for rupees and currency notes and fixed the exchange at 1s. 6d. (sterling). Thus the gold bullion standard gave place to sterling exchange standard, which is still at work. The maintenance of the exchange at 1s. 6d. sterling has been entrusted to the Reserve Bank of India since it was established in 1935, and the Reserve Bank of India maintains the exchange by buying sterling or sterling exchange, as and when necessary. The present standard has worked favourably in spite of the exigencies of war and an unprecedented inflation of our Paper Currency during the present war.

INDIAN PAPER CURRENCY

Indian paper currency was introduced as early as 1862 under an Act of the preceding year. The Rt. Hon. James Wilson, a famous economist and Finance Member of the Government of India had formulated the scheme of a paper currency for India. Up to the year 1914 the Indian paper currency was modelled on the fixed fiduciary principle. The fiduciary portion of the issue was small. Whatever currency note was to be issued beyond the fiduciary limitation was to be backed by gold coins or rupees or gold and silver bullion. It was only after the outbreak of the war of 1914-18 that the fiduciary issue began to be gradually increased till it reached the maximum mark of Rs. 120 crores. By an act of 1923 the currency was in a way linked to the Indian money market by the provision that in a busy season the Currency Office might advance up to Rs. 12 crores to the Imperial Bank of India against internal bills of exchange. The paper currency system underwent several changes in the course of the next few years. But in general the fixed fiduciary principle was observed. With the establishment of the Reserve Bank of India the monopoly of note-issue was given over to the Bank.

The present currency system comprises the silver rupee, the notes of different denominations issued by the Reserve Bank of India—both unlimited legal tenders—and subsidiary coins such as 8a, 4a, 2a, 1a, 1 pice and 1 pie pieces. The subsidiary coins are all token coins and limited legal tender. The rupee, the standard of value in India, is itself a token coin, containing 165 grains of silver and 15 grains of alloy. After the outbreak of the present war and particularly after the collapse of France in June 1940 there were mad demands for whole rupees, and the Government of India found themselves compelled to introduce Re 1 notes and quaternary rupees, half-rupees and quarter rupees.

THE PROBLEM OF INFLATION IN 1942-43

During 1942-43 "inflationary tendencies steadily gathered strength encouraging and being in turn encouraged by scarcities of essential commodities including foodstuffs and cloth, interruption in the production of which latter in some centres between August and November was an accentuating factor. The budget for 1943-44 presented on the 27th February revealed a considerable increase in the total defence expenditure of the country during 1942-43, though some falling off in that expenditure during the budget year was foreshadowed. This and the continuing large additions to the note circulation against sterling receipts during the latter half of the year, with the gradual realisation of the possibility of a long war, created a general speculation complex. There was a strong demand for commodities, bullion and real goods for speculative investment and hoarding for consumption which led to a rapid upward movement of prices and an outburst of activity on the forward markets. Thus psychological factors super-added to the basic monetary and economic facts operated towards creating a highly unsatisfactory and unstable situation." "The determined measures taken by Government during the last two months towards maintaining monetary and economic stability including, among others, the banning of forward trading in the bullion and cotton markets, the announcement of an all-in scheme of control of cotton yarn and cloth, and the definitive acceptance after the close of the year, of the policy of extending and strengthening the existing controls in respect of foodstuffs have, however, helped towards restraining the rise in prices and, in some cases, bringing about an appreciable decline. In the present situation the most appropriate line of defence would appear to be the intensification of the existing physical and financial controls including a sustained drive for encouraging savings, coupled with efforts to augment the supplies of necessary commodities. For, the maintenance of a reasonable supply of essential consumers' goods is vital even to the efficiency of the war-effort, especially in a country like India with its very low standards of living, which are not capable of serious reduction without grave consequences to the health and morale of the people."

NOTES IN CIRCULATION & ASSETS OF PAPER CURRENCY

(In lakhs of Rupees)

Gross circulation	Gold	(A s s e t s)			
		Held in India	Held abroad		
		Rupee coin	Govt. of India securities	Gold bullion	Sterling securities
1985-86	195.68	41.55	59.41	24.43	67.82
1986-87	208.00	41.55	61.90	22.88	79.81
1987-88	214.08	41.55	43.42	27.89	78.81
1989-40	238.55	44.42*	55.94	88.35	...
1940-41	257.66	44.42*	85.81	48.57	129.97
1941-42†	421.06	44.42*	27.58	186.29	212.85‡

* Total gold held in India and abroad. The market value of this gold is about at least 8 times the book value.

† Burma circulation Rs. 28.34 lakhs.

‡ The whole of the Sterling Section.

COINAGE

From 1885, when the Rupee with its present silver contents was first standardised down to 1940, 651 crores of whole rupees had been coined at Calcutta, Bombay and Madras Mints. (Calcutta, Rs. 270 crores, Madras, Rs. 11 crores and Bombay, Rs. 370 crores).

Total Mintage in Bombay and Calcutta Mints of rupee and smaller coins 1940-41 :—

<i>Denomination</i>	<i>Bombay Mint.</i>	<i>Calcutta Mint.</i>
Standard Rupees	98,02,178	...
Quarternary Rupees	8,08,00,002	...
Standard $\frac{1}{2}$ Rupees	22,25,876-8 as.	17,50,445-8 as.
Quarternary $\frac{1}{2}$ Rupees	89,00,000-8 as.	1,22,56,811
Standard $\frac{1}{4}$ Rupees	17,00,168-8 as.	2,51,989-12 as.
Quarternary $\frac{1}{4}$ Rupees	50,00,004-4 as.	1,07,56,818

Besides the above Rs. 24 crores worth of nickel $\frac{1}{2}$ as. and $\frac{1}{4}$ a. pieces and Rs. 37 lakhs worth of Pice, Half Pice and Pies were coined in 1940-41.

The following table gives the total value of coins minted in 1941-42.

	<i>Figures in lakhs of Rs.</i>
Quarternary Rupees	25.05
" half-Rupees	1.65
" Quarter Rupees	1.33
Nickel 2 annas	68
" 1 annas	81
" $\frac{1}{2}$ annas	9
Single pice	21
Half pice	6
Pies	1.16
	<hr/> 2,988.76

ABSORPTION OF SMALL COINS

<i>Denomination</i>	<i>1938-39</i>	<i>Sept.-March 1939-40</i>	<i>1941-42</i>	<i>Sept. 1942 to March 1939</i>
<i>Silver</i>		<i>Figures in lakhs of Rupees</i>		
8 annas	+2	+ 77	+1.57	+3.87
4 " "	-5	+ 43	+1.29	+2.74
Total (A)	-3	+1.20	+2.86	+6.61
<i>Nickel</i>				
4 as.	-4	+ 15	- 2	+ 18
2 as.	+4	+ 58	+ 88	+2.18
1 as.	+6	+ 53	+ 99	+2.28
$\frac{1}{2}$ anna.	...	...	+ 4	+ 4
Total (B)	+6	+1.26	+1.84	+4.68
<i>Copper</i>				
Pice	+14	+ 16	+ 29	+ 68
Half Pice	+1	+ 1	+ 1	+ 3
Pie Pieces	+1	+ 1	+ 1	+ 3
Total (C)	+16	+ 18	+ 31	+ 74
<i>Total Small Coins</i>				
A+B+C	+19	+2.64	5.06	+11.98

BANKING IN INDIA

Banking in India may be placed under two broad divisions : (1) *Indigenous Banking*, and (2) *Modern Banking*. Indigenous Banking comprises the numerous money-lenders, the Mahajan—big and small—whose number is very large and whose activities are extensive. Even in the great cities of Calcutta, Bombay, and Madras, not to speak of the smaller cities and towns, indigenous bankers form an important component of the money-market. Though it may sound paradoxical, a considerable and rather the major part of the discounting business is done by indigenous bankers, while mortgage-banking is almost entirely in their hands. The volume of the total transactions done by indigenous money-lenders is many times that of the turn-over of modern banks. The indigenous bankers do diverse kinds of banking activities. Apart from the common function of working as financiers to the cultivators and individuals in different parts of the country, they finance the movement of agricultural crops from one place to another, finance trade and commerce, remit funds with the help of *Hundis*, discount and rediscount *Hundis*. The discounting trade is almost entirely in the hands of Marwaris and Bhatias. The leading indigenous discount brokers, known as *Shroffs*, are recognized by big modern banks. In a busy season it may so happen that a third of the bills re-discounted by the Imperial Bank of India are *Hundis*. Though the ordinary Mahajans are not organized, the *Shroffs* follow a quite organized business with elaborate rules of business and admirable business integrity.

Modern banking in India dates back to the early 18th century. But the joint-stock banks of to-day are not as old as that, though Dr. H. Sinha, in his *Early European Banking in India* has established the existence of banks in India working on joint-stock principles at a time when joint-stock banking was unknown even in England. The pioneers of modern banking in India were the European Agency Houses which developed banking business since 1818. From the East India Company's days down to 1912, modern banks had made considerable progress in the face of great handicaps. But in and since 1918, the progress was much hampered by series of bank failures in India. Since 1920, however, things have taken a better turn. The number of banks closing their doors has diminished.* The establishment of the Imperial Bank of India in 1920, and later of the Reserve Bank of India in 1935, has given strength and organization to the modern banking system. Hitherto, the modern banks had no bankers' bank at their back. The banking system in India has been modelled principally on the English system. State control over banking is, therefore, minimum in India. It was only in 1936 that the Indian Companies Act was amended for ensuring larger working and paid-up capital for Indian joint-stock banks. In the absence of separate and complete banking laws in the country, this is a welcome move. Modern banking in India comprises : (1) The Reserve Bank of India ; (2) The Imperial Bank of India ; (3) the Exchange Banks ; (4) the Indian Joint Stock Banks and (5) the big Co-operative Banks.

* The failure of Alliance Bank and Bengal National Bank, however, gave a temporary shock to the growth of banking in India.

The Reserve Bank of India* : Established in 1935 under an Act of 1934, the Reserve Bank of India is a share-holders' bank. It is a bankers' bank and the Government's banker as well. It enjoys the monopoly of note-issue in India and is entrusted with the responsibility of maintaining the foreign exchange at about 1s. 6d. (sterling) by the sale of sterling or sterling exchange. Banks working in India are to deposit with the Reserve Bank 5 per cent of their time liability and 2 per cent of their demand liability. The Reserve Bank was expected to effect the much desired co-ordination between currency and credit, but there has not as yet been, since its establishment in 1935, any serious occasion for the Reserve Bank for doing considerable re-discounting business. In spite of the present war and the increase in trade demand for money, funds in the market seem to have been plentiful, with the result that the Imperial and Exchange Banks and big Indian Joint Stock Banks still doing the discounting and re-discounting business with their own funds. Another happy feature in the Indian money market has been that the Reserve Bank has not yet increased the bank rate which continues to be 8 per cent as usual. (See Indian Money Market 1942-48)

The Imperial Bank of India : This is the biggest Indian share-holders' bank and it commands very considerable transactions. Its position is unique and it stands as a class by itself. Before the establishment of the Reserve Bank of India, the Imperial Bank was the Government's banker, and in a way the banker's bank in India. Of all the banks working in India the Imperial Bank has the largest number of branches and the biggest working capital. It can now deal with foreign exchange, as it is no longer the Government's banker or the Central Bank in India. **Exchange Banks** : These are foreign banks, with their head offices in foreign countries. Their business and financial resources are of immense size compared to those of Indian joint stock banks. Usually the British banks in India command the largest volumes of transaction. Though mainly dealing in foreign exchange and in financing export and import trade, these banks compete with Indian joint-stock banks in internal banking. **Indian Joint-Stock Banks** : These are placed under two categories : the big joint-stock banks and small banks. The statistical tables appended hereto show the growth of joint-stock banking capital in India. Though the smaller joint-stock banks yet leave many things to be desired, the bigger banks have in recent years shown a remarkable expansion. There were in 1939, 51 big Indian joint-stock banks excluding the Imperial Bank with a total working capital of Rs. 247 crores. **The Scheduled Banks** : These are those, which are members of the Clearing House, and have certain minimum working capital. These banks have to furnish periodical returns to the Reserve Bank and to deposit, free of interest, funds with the Reserve Bank, which latter enjoys certain powers of supervision over these banks. There were on June 30, 1943, 64 scheduled banks with total deposits of about Rs. 450 crores. **Non scheduled Banks** : On 30th December 1939, there were 669 non-scheduled banks which had an aggregate deposit of Rs. 16 crores.

* Section 38 (9) Reserve Bank Act provides that the maximum Government of India Rupee securities shall not exceed one-fourth of the assets of the Issue Dept. or Rs. 55 crores, whichever is greater or *plus* Rs. 10 crores with the previous sanction of the Governor-General in Council. This provision has been modified for enabling the Bank to purchase Rupee securities in place of repatriated Sterling Securities during the present War.

PROGRESS OF BANKING CAPITAL IN INDIA*
IMPERIAL BANK OF INDIA AND JOINT STOCK BANKS

	<i>Paid-up capital, Reserve, etc.</i>	<i>Deposits</i>
<i>No. of Jt. Stock Banks</i>	<i>In Crores of Rupees</i>	
1980	28	147
1983	28'4	152
1986	25	177
1988	24'6	180
1989	25	189

Note. After 1986, figures for Joint Stock Banks registered in Burma are excluded.

RESERVE BANK OF INDIA

BALANCE SHEET AS AT 30TH JUNE 1948

LIABILITIES :—		<i>Rs.</i>	<i>As. P.</i>
<i>Notes held in the Banking Department</i>		18,68,88,984	0 0
<i>Notes in circulation</i>		782,47,97,967	8 0
<i>Total Notes issued</i>		746,16,86,901	8 0
<i>Total Liabilities</i>		746,16,86,901	8 0
ASSETS :—		<i>Rs.</i>	<i>As. P.</i>
A. Gold coin and Bullion :—	(a) Held in India	44,41,48,828	4 11
	(b) Held outside India	nil	
<i>Sterling securities</i>		567,78,87,154	8 6
<i>Total of A.</i>		612,20,80,477	8 5
B. Rupees Coin—	<i>Government of India Rupees Securities</i>	15,54,90,970	9 7
	<i>Interenal Bills of Exchange and other commercial Paper</i>	118,41,15,458	6 0
		nil	
	<i>Total Assets</i>	746,16,89,901	8 0

BANKING DEPARTMENT

Liabilities		<i>Rs.</i>	<i>As. P.</i>
Capital paid-up		5,00,00,000	0 0
Reserve Fund		5,00,00,000	0 0
Deposits :—			
(a) Government :			
(1) Central Government of India		8,42,28,984	11 8
(2) Government of Burma		62,94,490	12 8
(3) Other Government Accounts		9,98,08,947	11 0
(b) Banks		58,24,16,970	8 7
(c) Others		8,04,41,709	7 0
Bills Payable		1,60,85,289	5 4
Other Liabilities		7,18,51,495	4 9
Total		99,10,77,757	7 7

* Banks with paid-up capital and Reserve of Rs. 500,000 and over.

	<i>Rs.</i>	<i>As.</i>	<i>P.</i>
Assets :			
Notes	13,68,88,984	0	0
Rupee Coin	14,66,862	0	0
Subsidiary Coin	1,45,663	7	3
Bills purchased and Discounted :—			
(a) Internal		Nil	
(b) External		Nil	
(c) Government Treasury Bills	50,96,779	1	9
Balance held abroad	75,88,06,861	12	6
Loans and Advances to Governments		Nil	
Other Loans and Advances	22,00,000	0	0
Investments	7,87,67,855	10	9
Other Assets	1,27,54,801	7	4
Total	99,10,77,757	7	7

BIG BANKS—Joint-stock* & Imperial

<i>Year</i>	<i>No. of J. S. Banks</i>	<i>Paid-up Capital</i>	<i>In lakhs of Rs.</i>		
			<i>Reserve & Rest</i>	<i>Deposits</i>	<i>Cash Balances</i>
1929	23	7,87	8,67	62,72	9,05
1931	34	7,80	4,28	62,26	7,71
1933	34	7,78	4,55	71,67	10,92
1935	38	8,17	5,02	84,45	19,12(a)
1937	39	7,25	5,53	1,00,27	16,82(a)
1938	43	7,49	5,66	98,08	14,00(a)
1939	51	8,26	5,31	1,00,73	16,72(a)
Imperial Bank of India					
1938	...	5,63	5,85	81,51	8,99(a)
1939	...	5,63	5,92	87,84	11,09

CONSOLIDATED POSITION OF SCHEDULED BANKS

<i>Year</i>	<i>(In crores of Rupees)</i>					<i>Bills discoun- ted</i>
	<i>Demand liabilities</i>	<i>Time liabilities</i>	<i>Cash</i>	<i>Balance with Reserve Bank of India</i>	<i>Advances in India & Burma</i>	
1936-37	129	101	6	26	95	5
1938-39	130	108	7	16	116	5
1939-40	140	106	7	17	126	5
1940-41	164	105	8	36	122	4
1941-42	202	104	...	45.5	116.08	4.85

* Banks with paid-up Capital and Reserve of Rs. 5 lakhs and over.

(a) Includes balances with Reserve Bank of India.

Clearing House Statistics¹

(In crores of Rupees)

Year	I	II	III	IV	V	VI	VII	VIII	Total
1918-19	741	570	25	22	74	—	—	—	1492
1924-25	945	621	56	46	117	6	6	—	1806
1928-29	1094	652	66	28	125	7	9	—	1981
1930-31	866	667	50	24	107	6	11	—	1781
1933-34	831	655	53	27	56	9	10	—	1641
1937-38	967	815	110	36	82	12	11	18	2051
1938-39	935	786	99	33	81	12	10	19	1975
1939-40	1154	884	100	38	98	14	11	20	2319
1940-41	1008	802	109	47	119	19	16	29	2149
1941-42	1284	1049	186	59	109	30	27	41	2625

EXCHANGE BANKS WHOSE HEAD OFFICES ARE NOT LOCATED IN INDIA

Year	No. of Banks	Paid-up Capital and Reserve (000 £)	Deposits in India (000 Rs.)	Cash Balances in India (000 Rs.)
1928	18	187,923	71,13,86	8,05,57
1931	17	185,964	67,47,26	8,80,73
1933	18	143,080	70,78,42	7,71,96
1935	17	187,084	76,18,33	12,55,08 (a)
1936†	19	128,292	75,22,55	10,35,31 (a)
1937 (b)	18	128,312	73,21,01	10,58,05 (a)
1938	...	131,526	67,20,42	6,44,41 (a)
1939	19	125,265	74,07,82	7,38,76 (a)

BANK RATES

Imperial Bank Rate	Imperial Bank Rate	Reserve Bank Rate
1925 5 64	1931 7 04	1936 3 00
1926 5 17	1932 5 03	1937 3 00
1927 5 73	1933 3 56	1 38 3 00
1928 6 20	1934 3 50	1939 3 00
1929 6 33	1935 3 46	1940 3 00
1930 5 80		1941 3 00
		1942 3 00
		1943 Jan.-August 3 00

SCHEDULED BANKS

1. Ajodhia Bank.
2. Allahabad Bank.
3. American Express Co.,
4. Banco Nacional Ultramarino.
5. Bank of Baroda.
6. Bank of Behar.
7. Bank of China.
8. Bank of Communications.
9. Bank of Hindustan.
10. Bank of India.
11. Bharat Bank.
12. Bengal Central Bank Ltd.,
13. Calcutta Commercial Bank Ltd.
14. Calcutta National Bank Ltd.,
15. Canara Bank.
16. Canara Banking Corporation.
17. Canara Indus-

(a) Includes balances with Reserve Bank of India.

(b) Figures for years prior to 1937 include Burma.

† I Calcutta; II Bombay; III Madras; IV Karachi; V Rangoon; VI Cawnpore; VII Lahore; VIII Delhi. ‡ Figures revised.

trial & Banking Syndicate. 18. Central Bank of India. 19. Chartered Bank of India, Australia & China. 20. Comilla Banking Corporation. 21. Comilla Union Bank. 22. Comptoir National D'Escompte de Paris. 23. Devkaran Nanjee Banking Co. 24. Dinajpore Bank. 25. Eastern Bank. 26. Grindlay & Co. 27. Habib Bank. 28. Hind Bank. 29. Hongkong & Shanghai Banking Corporation. 30. Imperial Bank of India. 31. Indian Bank. 32. Indian Overseas Bank. 33. Indo-Commercial Bank. 34. Industrial Bank of Western India. 35. International Bank of India. 36. Jawala Bank. 37. Karnani Industrial Bank. 38. Laxmi Bank. 39. Lloyds Bank. 40. Mercantile Bank of India. 41. Mohaluxmi Bank. 42. Nadar Bank. 43. Nath Bank. 44. National Bank of India. 45. National City Bank of New York. 46. National Savings Bank. 47. Nedungadi Bank. 48. Netherlands India Commercial Bank. 49. Netherland Trading Co. 50. New Bank of India. 51. New Citizen Bank of India. 52. New Standard Bank. 53. Noakhali Union Bank. 54. Oudh Commercial Bank. 55. Palai Central Bank. 56. Pioneer Bank. 57. Punjab and Sind Bank. 58. Punjab Cooperative Bank. 59. Punjab National Bank. 60. Thos. Cook & Son (Bankers). 61. Traders' Bank. 62. Union Bank of India. 63. United Commercial Bank. 64. United Industrial Bank.

Burma Scheduled Banks

1. Bank of Upper Burma. 2. Oversea Chinese Banking Corporation.
3. U. Rai Gyaw Thoo & Co.

SCHEDULED BANKS*

During the year July '42 to June '43, the number of banks included in the second schedule to the Reserve Bank of India Act rose from 59 to 64 as a result of the addition of 6 new Banks and the exclusion of one Bank. Besides, the applications of 12 banks were under consideration at the end of the year.

The table given below compares the position of scheduled banks as on the 26th June 1942 and the 25th June 1943 :—

	26. 6. 1942	25. 6. 1943	Difference
	<i>Rs.</i>	<i>Rs.</i>	<i>Rs.</i>
1. Demand Liabilities in India	267,15,50	417,99,99	150,83,89
2. Time Liabilities in India	97,30,58	181,23,39	83,92,81
3. Cash in hand in India	14,51,76	17,72,79	3,21,03
4. Balances with Reserve Bank	60,92,78	54,71,76	- 6,21,02
5. Advances in India	94,30,20	141,30,17	46,99,97
6. Bills Discounted in India	1,46,98	4,64,70	3,17,72

The total demand and time liabilities showed an almost continuous rise during the period from 1.7.42 to 30.6.43 and on the 25th June 1943 stood at Rs. 549'23 crores as compared with Rs. 364'46 crores on the 26th June 1942. With the increase in deposits, average balances maintained by scheduled banks with the Reserve Bank rose from Rs. 41'98 crores in 1941-42 to Rs. 55'82 crores in 1942-43. The large excess balances were also reflected in the sharp decline in the amount of penal interest paid by the banks for defaulting in the

* From the Annual Report on Reserve Bank of India for the year ending 30. 6. 43.

maintenance of the requisite balances with the Reserve Bank. The number of defaulting banks increased from 19 to 23 but the total amount of penal interest paid by them was reduced from Rs. 4,709-6-2 in 1941-42 to Rs. 1,115-2-5 during 1942-43. Advances and bills discounted of scheduled banks during the first eight months of the year were on a considerably reduced scale as compared with the corresponding period of the preceding year. During March-June, 1948, however, as a result of various factors, such as rapidly rising prices, seasonal trade activity and possible speculative finance they were generally on a higher level and amounted to Rs. 145.95 crores on the 25th June 1948 as compared with Rs. 95.77 crores a year before. The proportion of advances and bills discounted to deposits also showed a slight increase from 26.28 per cent on the 26th June 1942 to 26.37 per cent on the 25th June 1948.

"Owing to the prevalence of easy money conditions, few banks approached the Reserve Bank for financial accommodation during the year under review the total amount of loans granted to four banks, one of which was a provincial co-operative bank, being Rs. 848.25 lakhs.

"The total number of offices of scheduled banks including head offices, branches, pay offices, etc., which had declined from 1,454 at the end of December 1941 to 1,405 on the 30th June 1942 rose to 1,600 on the 30th June 1948, showing an increase of 195 during the course of the year. The banks newly included in the schedule accounted for an addition of 94 offices, the net increase in the number of offices of the existing scheduled banks being 101. During the period under review, 18 offices were opened at places which did not previously enjoy banking facilities offered either by a scheduled or a non-scheduled bank.

JOINT-STOCK COMPANIES REGISTERED IN BRITISH INDIA 1939-40

<i>Class of Companies</i>	<i>Number</i>	<i>Paid-up capital</i> Rs. (00.)
Banking and Loan	1,797	22,25.51
Insurance	601	4,17.00
Navigation	47	8,68.97
Railway and Tramways	41	14,78.00
Other Transit and Transport	410	4,90.18
Trading & Manufacturing Companies	4,728	1,07,48.80
Tea	428	12,71.06
Other Planting Companies	75	82.24
Coal Mining	201	8,08.68
Gold Mining	4	3.14
Other Mining & Quarrying Companies	92	11,87.91
Cotton Mills	866	38,98.59
Jute Mills	82	20,46.75
Mills for Wool, Silk, Hemp, etc.	58	2,46.06
Cotton Ginning, Pressing, Baling, etc.	140	2,66.18
Jute Presses, etc.	84	96.44
Flour Mills	27	1,24.22
Estate, Land and Building	235	12,75.27
Sugar (including Jaggery)	157	10,97.56
Other Companies	865	12,31.27
Total	10,868	2,88,49.60

JOINT STOCK COMPANIES REGISTERED IN INDIAN STATES 1989-40

<i>Class of Companies</i>	<i>Number</i>	<i>Paid-up capital Rs. (000)</i>
Banking and Loan	420	3,89,04
Insurance	81	5,86
Navigation	1	1,32
Railway and Tramways	1	6,96
Other Transit and Transport	27	9,53
Trading and Manufacturing Companies	299	1,80,96
Tea	17	59,48
Other Planting Companies	60	1,14,79
Coal Mining	1	63,21
Gold Mining	...	...
Other Mining and Quarrying Companies	12	14,48
Cotton Mills	39	5,05,07
Jute Mills	2	2,54
Mills for Wool, Silk, Hemp, etc.	4	14,47
Cotton Ginning, Pressing Baling, etc.	5	10,29
Jute Presses, etc.	1	89
Flour Mills	4	1,54
Estate, Land and Building	6	1,45
Sugar (including Jaggery)	6	66,54
Other Companies	68	70,02
Total	1,004	15,17,89

JOINT STOCK COMPANIES REGISTERED ELSEWHERE THAN IN INDIA, BUT WORKING IN BRITISH INDIA

<i>Class of Companies</i>	<i>Number</i>	<i>Paid-up Capital £ (1000)</i>
Banking and Loan	24	96,255
Insurance	141	78,129
Navigation	18	35,511
Railways and Tramways	15	22,980
Other transit and transport	14	11,912
Trading and Manufacturing Companies	345	344,374
Tea	180	26,758
Other Planting Companies	20	2,502
Coal Mining	4	240
Gold Mining	...	...
Other Mining and Quarrying Companies	23	110,816
Cotton Mills	4	272
Jute Mills	5	3,296
Mills for Wool, Silk, Hemp, etc.	...	...
Cotton Ginning, Pressing, Baling, etc.	2	150
Jute Presses, etc.	...	...
Flour Mills	...	...
Estate, Land and Building	9	841
Sugar, (including Jaggery)	2	807
Other Companies	21	7,298
Total 1988-89	827	741,089

DIRECTORY OF GOVERNMENT OF INDIA

Viceroy and Governor General and C.-in-C. in India

His Excellency The Most Hon. The Marquess of Linlithgow, K. T., P. C., G. M. S. I., G. M. I. E., O. B. E., D. L., T. D.

Viceroy and Governor-General Designate : Field-Marshal Lord Archibald Wavell (will take office in October 1948).

Laithwaite, Sir Gilbert, K. C. I. E., C. S. I., Private Secy. and Secy. to the Governor General (Personal); Toogood, Lt. Col. C. G., C. I. E., D. S. O., Military Secy.

Aides-de-Camp to H. E. the Viceroy

Elphinstone, Capt. The Hon. A. C. V.; Carter, Capt. P. G.; Henderson, Capt. W. B.; Malcolm, A. K., I. P.

Members of the Viceroy's Council

H. E. General Sir Claude Auchinleck, G. C. I. E., C. B., C. S. I., D. S. O., O. B. E., A. D. C., (C.-in-C. in India and War Member)

The Hon. Sir Reginald Maxwell, K. C. S. I., C. I. E., I. C. S. (Home)

The Hon. Sir Jeremy Raisman, K. C. S. I., C. I. E., I. C. S. (Finance)

The Hon. Dewan Bahadur Sir Ramaswami Mudaliar, K. C. S. I. (Supply)

The Hon. Sir Sultan Ahmed, Barrister-at-Law, (Information and Broadcasting)

The Hon. Malik Sir Firoz Khan Noon, K. C. S. I., K. C. I. E. (Defence)

The Hon. Sir Edward Bentham, (War Transport and Railways)

The Hon. Khan Bahadur Sir Mahomed Usman, K. C. I. E. (Posts and Air)

The Hon. Dr. B. B. Ambedkar, (Labour)

The Hon. Sir Jwala Prasad Srivastava, K. B. E. (Food)

The Hon. Sir Jogendra Singh, (Education, Health and Lands)

The Hon. Dr. Sir Muhammad Azizul-Haque, C. I. E., D. Litt. (Commerce)

The Hon. Dr. N. B. Khare, M. D. (Indians Overseas)

The Hon. Sir Asoke Kumar Roy, Barrister-at-Law, (Law).

Spence Sir George, K. C. I. E., C. S. I., I. C. S., Secy. to the Executive Council.

SECRETARIATE OF THE GOVERNOR GENERAL

Laithwaite, Sir Gilbert, K. C. I. E., C. S. I., Private Secy. and Secy. to the Governor General (Personal); Thorne, Sir John, K. C. I. E., C. S. I., I. C. S., Secy. (Public); Menon, Rao Bahadur V. P., C. I. E., (Reforms Commissioner).

HOME DEPARTMENT

Conran Smith, The Hon. Mr. E., C. S. I., C. I. E., I. C. S. (Secretary); Tottenham, Sir Richard, C. S. I., C. I. E., I. C. S., (Add. Secy.); Frampton, H. J., C. I. E., M. C., I. C. S., Jt. Secretary; Vishnu Sahay, I. C. S., Dy. Secretary; Chainani H. K., I. C. S., Dy. Secretary.

Office of the Director, Intelligence Bureau

Pilditch, D., C. I. E., L. P. (Director, Intelligence Bureau); Kidd, F. W., C. I. E. L. P., (Dy. Director, Intelligence Bureau); Jenkin, W. N. P., C. I. E., I. P., (Dy. Director, Intelligence Bureau); Ahmed, G., O. B. E., I. P., Dy. Director, Intelligence Bureau.

DEPARTMENT OF CIVIL DEFENCE

Ibbotson, A. W., C. I. E., M. B. E., M. C., I. C. S. (Secy. Civil Defence Department, and ex-officio Director General Civil Defence); Symonse, N. V. H., C. I. E., M. C., I. C. S., (Jt. Secy.); Gopalaswami R. A., I. C. S., Dey. Secy.

DEPARTMENT OF INFORMATION AND BROADCASTING

Puncle, Sir Frederick, K. C. I. E., C. S. I., I. C. S., Secretary; Thapar, P. N., I. C. S., Deputy Secy.; Griffiths, P. J., C. I. E., M. L. A., I. C. S. (Retd.) Publicity Adviser; Shahnawaz, Begum J. A., Lady Organizer; Watson F., (Director, Counter Propaganda); Spear, Dr. T. G. P., M.A., Ph.D. Dy. Director; Salman Ahmed Ali, B. A., (Hons.) (Oxon), Counter-Propaganda Officer; Purna, K. R., M. A., (Oxon) Counter Propaganda Officer; Surjeet Singh, B. A., (Hons.) (Lond) Bar-at-Law., Counter-Propaganda Officer; Kirchner, B. J., Chief Press Adviser; Bartley, J. O., Asst. Press Adviser.

Bureau of Public Information. Natarajan, J., Principal Information Officer; Jawad, S. A., Dy. Principal Information Officer; Raghavan, S. R. S., Information Officer; Wahajud-Din Ahmad, Syed, Information Officer; Chari, T. R. V., Information Officer; Rao, Binod, Information Officer; Mushtaz Ahmed, K., Information Officer; Vyas, Anant Ram, Information Officer; Bhatt, V. R., Information Officer; Sen, Rai Sahib C. N., Administrative Officer.

Office of the Controller of Broadcasting

Bokhari, A. S., M. A., P. E. S., (Punjab), Controller of Broadcasting; Goyder, C. W., Chief Engineer, All India Radio; Hamid, A. A., I.C.S., Dy. Controller of Broadcasting (Prog.); Tara Chand, Dy. Controller of Broadcasting (Admn.).

EXTERNAL AFFAIRS DEPARTMENT

Caroe, O. K., C.S.I., C.I.E., Secretary; Weightman, H., C.I.E., Jt. Secy.; Shah, Major A. S. B., O.B.E.

POLITICAL DEPARTMENT

Craik, The Hon. Sir Henry Duffield, Bart, G.C.I.E., K.C.S.I., Political Adviser; Fitze, Sir Kenneth, K.C.S.I., Secretary; Burnett, Lt.-Col. R. R., O.B.E. Dy. Secy. (P); Ramsay, Captain N, M B.E., Dy. Secy.

Crown Finance Office. Rao V. Narahari, M.A., C.I.E., Officer on Special Duty, Crown Finance Officer and ex-officio Jt. Secy in the Finance Dept.

Indian States Forces. Harvey, Major, Genl. C. O., C.B., C.V.O., C.B.E., M.C., Military Adviser-in-Chief, Indian States Forces; Nepean, Brigadier, H. D. H. Y., D.S.O., Dy Military Adviser-in-Chief, Indian States Forces.

FINANCE DEPARTMENT

Jones, The Hon. Mr. C. E., C.S.I., C.I.E., I.C.S., Secretary; Staig, Sir Bertie, C.S.I., I.C.S., Addl. Secy.; Turner, A. C., C. I. E., M. B. E., I. C. S., Jt. Secy.; Gholap, L. T., I.C.S., Dey. Secy.; Son Gupta, M. K., C.I.E., Financial Adviser, Communications; Nehru, B. K., I.C.S., Dey. Secy.

Central Board of Revenue. Sheehy, Sir John, C.S.I., I.C.S. Member; Slade, M., C.I.E., I.C.S., Member. Greenfield, H., C.I.E., Member. Chettur, K. K., M.A., First Secy.; Ayers, C. W., C.I.E., Excess Profits Tax Adviser.

Inspectorate of Customs and Central Excises. Ranganathan, S., I. C. S., Deputy Director of Inspection. ; Aiyar, Dr. S. S., B. A., M. Sc., F. I. C., Chief Chemist.

Auditor General of India

Badenoch, Sir Cameron, C. S. I., C. I. E., I. C. S., Auditor General of India ; Tennant, W. R., C. I. E., I. C. S., Dy. Auditor General of India ; Seshu Ayyar, E. R., Director of Railway Audit. Venkataraman, A. A., Asst. Audit. Officer ; Subrahmanyam, M. C. I. E., Accountant General, Posts and Telegraphs. Ahmad, S. M., Dy. Accountant General, Posts and Telegraphs ; Gupta, S. C., M. A., (Cantab.), Accountant General, Central Revenues ; Gupta, S., M.Sc., Dy. Accountant General, Central Revenues ; Ram Gopal, Chief Controller of Supply Accounts. ; Ghatak, S. N., Dy. Controller of Supply Accounts. ; Rao, C. V. S., Director of Audit, Defence Services, (on leave) ; Rajagopal, P. N., Director of Audit, Defence Services (Ofg.) ; Dantiyagi, V. D., Dy. Director of Audit, Defence Services.

LEGISLATIVE DEPARTMENT

Spence, Sir George, K.C.I.E., C.S.I., I.C.S., Secy. ; Bartley, J., C.S.I., C.I.E., I.C.S., Addl. Secy. and Draftsman ; Lal, The Hon. Mr. Shavax A., C. I. E., Dy. Secy.

Solicitors to the Central Government : Mitra, D.N., C.B.E., Solicitor to the Govt. of India ; Webb-Johnson, S., C.I.E., O.B.E., E. D., Second Solicitor to the Government of India. Bhandarkar, K. Y., B.A., LL.B., Asst. Solicitor to the Government of India ; Mohammad Sharif, B.A., LL.B., Asst. Solicitor to the Government of India ; Sen, Susil C., C. B. E., Solicitor (Calcutta) ; Sethna, D. P., B.A., LL.B., Solicitor (Bombay).

Advocate General of India : Mitter, Sir Brojendra, K.C.S.I., Barister-at-Law.

Income Tax Appellate Tribunal

Head Quarter Bench (Bombay) : Muhammad Munir, M.A., LL.B., President ; Yahya Ali, Khan Bahadur, M.A., B.L., President (Offg.) ; Sahgal, A. L., B.A., LL.B., A.C.A., Accountant Member. *Calcutta Bench :* Verma, Rai Bahadur Ram Prasad, B.A., LL.B., Judicial Member ; Aiyer, P. N. S., B.A., G.D.A., R.A., Accountant Member. *Bombay Bench :* Gundil, Dewan Bahadur N. R., B.A., LL.B., Judicial Member ; Malhotra, P. C., A.S.A.A., Accountant Member. *Extra Bench :* Ali Khan, Syed, Judicial Member ; Chakravarty, Rai Bahadur N. N., M.A., Accountant Member.

DEPARTMENT OF COMMERCE

Pillai, The Hon'ble Mr. N.R., C.I.E., C.B.E., I.C.S., Secretary ; Ray, S.N., I.C.S., Joint Secretary ; Zaman, S. R., I.C.S., Joint Secretary ; Krishnamoorthy, E. S., M.A., LL.B., Deputy Secretary ; Ambegaonkar, K. G., I.C.S., Deputy Secretary.

Krishnamurthy, P. V. M.Sc., F.I.A., Superintendent of Insurance.

Lifton, Captain W. J., B.I.N. Chief Surveyor with the Government of India.

Office of the Economic Advisor to the Government of India : Gregory, Dr. Sir Theodore, D.Sc., Economic Adviser ; Joshi, J. V., M.A., (Cantab), O.B.E., Deputy Economic Adviser ; Junaid, Dr. M. M., M.A. Ph.D., Chief Research Officer ; Subramanian, S., M.A., Statistician.

Department of Commercial Intelligence and Statistics : Ghosh, J. N., M.A. Director (off) ; Sinha, A. L., Director of Statistics ; Sanyal, N. Assistant Director of Commercial Intelligence.

Office of the Chief Controller of Imports : Ram Chandra, C.I.E., M.B.E., I.C.S., Chief Controller ; Sukthankar, Y. N., C.I.E., I.C.S., Jt. Chief Controller ; Innes, F. M., I.C.S., Jt. Chief Controller ; Dharma Vira, I.C.S., Dy. Chief Controller ; Rahim, J. A., I.C.S., Dy. Chief Controller ; Ladli, Pershad, Rai Bahadur, Dy. Chief Controller.

Office of the Controller of Enemy Firms and Enemy Trading and Custodian of Enemy Property : Radbone, E., Controller ; Stewart, F. F., Dy. Controller of Enemy Trading ; Minahan, N. J. B., Dy. Controller of Enemy Firms and Enemy Trading and Dy. Custodian of Enemy Property (Cal. circle).

Green, L. B., O.B.E., Tea Controller for India.

DEPARTMENT OF INDUSTRIES AND CIVIL SUPPLIES

Hydari, M.-S.A., C.S.I., C.I.E., I.C.S., Secretary ; Pillay, T. S., O.B.E., Jt. Secretary ; Patel, H. M., I.C.S., Dy. Secretary ; Elwin, R. B., I.C.S., Dy. Secretary. Bhargava, M. P., M.Sc., A.I.C., Paper Production Commissioner ; Rama Rao, P. S., Controller of Newsprint.

Council of Scientific and Industrial Research : Azizul-Haque, The Hon. Sir Muhammad, C.I.E., D.Litt. Chairman ; Sen Gupta, J. N., M.B.E., M.A., B.L., Secretary.

Office of the Director of Scientific and Industrial Research : Bhatnagar, Dr. Sir Shanti Swarup, O.B.E., D.Sc., F.R.S., F. Inst. P., F.I.C., Director of Scientific and Industrial Research.

Miscellaneous : James, Sir Frederick, O. B. E., Controller of Coffee ; Maybury Lewis, S. A., I.S.E., (Retd.) Steel Controller (Civil supplies) ; John, P. Kurian, Rubber Production Commissioner ; Vellodi, M. K., I.C.S., Textiles Commissioner ; Kazimi, M. R., Yarn Controller ; Sen Gupta, N. N., M.Sc., (Durham) A.I.C. (Lond.) Director Govt. Test House, Calcutta ; Pai K. Rama, M.A., Controller of Patents and Designs, Calcutta.

DEPARTMENT OF FOOD

Hutchings, R. H., C. I. E., I. C. S., Secretary ; Vigor, H. D., O. B. E., Adviser (Food) ; Kirby, W. H., Rationing Adviser ; Christie, W. H. J., O.B.E., I.C.S., Dy. Secretary ; Mone, N. T., I.C.S., Dy. Secretary ; Abhyankar, N. G., M.Sc., (Lond.) Statistical Officer ; Sen, B. R. I.C.S., Director General of Food ; Matthew, E. W., Director of Foodstuffs (Supplies) ; Johnson, Blois, Director of Processed Foodstuffs ; Mehta, N. O., I.C.S., Sugar Controller for India ; Dikshit, Rai Sahib S. K., B.A., (Hons.) P.C.S., Deputy Sugar Controller for India.

Regional Food Commissioners : Beresford, Major General G., De La P., C.B., M.C., Food Commissioner, Punjab Region ; Dina Nath, Rai Bahadur Colonel, C.I.E., Food Commissioner U. P., Region ; Braund, Hon. Mr. Justice

H. B. L., Bar-at-Law, Food Commissioner, Eastern Region, Calcutta ; Karunakara Menon, Rao Bahadur C. P., Food Commissioner, Madras Region ; Ross, J. B. Food Commissioner, Bombay Region ; Abdul Hamid, Khan Bahadur Sir, C.I.E., O.B.E., Rajputana Region.

DEPARTMENT OF LABOUR

Prior, The Hon. Mr. H.C., C.S.I., C.I.E., I.C.S., Secretary ; Tufnell Barrett, H., C.I.E., I.C.S., Joint Secretary ; Clarke, Brigadier, C. P., Adviser, Civil Pioneer Force ; Rea, Brigadier, A. W. H., O.B.E., A.M.I., Mech.E., I.A., Director of Technical Training ; Peace, G., F.I.C., F.R.A.S., Chief Adviser, Factory, A.R.P., and ex-officio Dy. Secretary ; Gurmani, Khan Bahadur Mush-taq Ahmad, Director of Publicity and Recruitment ; Dibdin, Lieut.-Col. C.T. Civil Liaison Officer. Nimbkar, R. S., Labour Welfare Adviser.

Central Public Works Department : Dean, A. W. H., C.I.E., M.C., I.S.E., Chief Engineer and Rent Controller ; Muhammad Sulaiman, Khan Bahadur, I.S.E., Addl. Chief Engineer.

Printing and Stationery Department. Mitra, R. K., I. C. S., Controller, Printing and Stationery ; Gregory, E. V., Dy. Controller, Printing (Temp.) ; Whitley A. A., Asst. Controller H. Q. (Offg.) ; Majumdar, M. K. Asst. Controller, Printing ; Bhalla, B. R. Asst. Controller, Printing ; Mazumdar, Rai Bahadur, D. D., M.Sc., Dy. Controller, Stationery, (Purchase) ; Golder, J. H., Dy. Controller, Stationery (Offg.) (Supply) ; Sinha, S. N., M. A., Asst. Controller, Stationery ; Das Gupta, P. R., B. L., Asst. Controller, Stationery (Addl.) ; Roy, B. K., Manager of the Forms Press (Offg.) Govt. of India Central Forms Store, Calcutta ; Khandkar, N. H., Asst. Manager, Forms Press, Calcutta ; Kanade, E. V., Manager, of Publications (Offg.) ; Aylmer, E. G., Manager, Govt. of India Press, Calcutta ; Sen Gupta, B. C., Asst. Manager, Govt. of India Press, Calcutta ; Trousdell, H. F., Manager, Govt. of India Press, New Delhi ; Cater, T., M.B.E., Manager, Govt. of India Press, Simla ; Sen, A. C., Manager of the Forms Press, Aligarh.

Explosives Department. Peace, G., F. I. C., F.R.A.S., Chief Inspector of Explosives ; Sen, Apurba Kumar, M.Sc., Dy. Chief Inspector of Explosives.

Miscellaneous. Mullick, Mukund Bihari, M. A., B. L., M. L. A., (Bengal) Chairman, Coal Mines Stowing Board ; Fox, Sir C. S., D. Sc., (Birm.) M. I. Min. E., F. G. S., F. R. A. S. B., F. N. I., Director, Geological Survey of India ; Kirby, W., B. Sc., M. I. Min. E., Chief Inspector of Mines in India ; Forrester, C., A. H. W. C., Ph. D. (Edin.) F. I. C., F. R. S. E., A.M.I.Chem.E., Principal, Indian Schools of Mines ; Thomas, A. R., I. S. E., Secy. Central Board of of Irrigation ; Ramchandran Pillai, A. S. B. A., Controller of Emigrant Labour ; Jadhav, D. G., B. A., LL. B., Conciliation Officer (Railways) and Supervisor of Railway Labour ; Deshpande, S. R., M. B. E., Director, Cost of Living Index Scheme ; Inglis, C. C., C.I.E., B.A., B.A.J., (Dub.) M. Inst. C.E. M. Am. Soc. C. E., Director, Central Irrigation and Hydrodynamic Research Station.

DEPARTMENT OF EDUCATION, HEALTH AND LANDS

Tyson, J. D., C. B. E., I. C. S., Secretary ; Sargent, J., M. A., C. I. E., Educational Adviser to the Govt. of India ; Oulsnam, S. H. Y., C.I.E., M.C., I. C. S. Deputy Secretary ; Basu, S., O. B. E., I. C. S., Dy. Secretary ; Menon P. Madhava, M. B. E., I.C.S., Deputy Secretary.

Office of the Director General, Indian Medical Service. Jolly, Lieut. General Sir Gordon, K. C. I. E., K. H. P., I. M. S., Director General, I. M. S. ;

Cotter, Lieut.-Colonel E., C.I.E., I.M.S., Public Health Commissioner with the Government of India; Hance, Colonel, J. B., C. I. E., O. B. E., V. H. S., I.M.S., Dy. Director General I.M.S.

Office of the Director General of Archaeology in India. Dikshit, Rao Bahadur K. N., M. A., F. R. A., S. B., Director General of Archaeology; Chakravarti, Dr. N. P., M. A., Ph. D., (Cantab) Dy. Director General of Archaeology; Wheeler, Brigadier Sir Oliver, M.C., Surveyor General of India.

Imperial Council of Agricultural Research. Kharegat, Sir P. M., C.I.E., I.C.S., Vice-Chairman and Principal Administrative Officer (on Deputation to U. S. A.) ; Stewart, H. R., C.I.E., I.A.S., Agricultural Commissioner with the Govt. of India (Offg. as Vice Chairman); Burns, Dr. W., D. Sc., C. I. E., Agricultural Commissioner with the Govt. of India; Ware, F., C.I.E., F.R.C. V. S., I. V. S., Animal Husbandry Commissioner with the Govt. of India; Bhagwan Sahay, I. C. S., Secretary; De Mello, F. M., B. A., B. Sc., Editor; Sukhatme, Dr. P. V., D.Sc., Ph.D., (Lond) Statistician.

Central Agricultural Marketing Dept. Das, Dr. N., Ph. D., (Econ.) (Lond.) I.C.S., Offg. Agricultural Marketing Adviser; Bhargava, B. P., B.Sc., A.M.Inst.B.E., Senior Marketing Officer.

Imperial Institute of Sugar Technology, Cawnpore. Srivastava, R. G., B.Sc., O.B.E., Director.

Miscellaneous. Howard, Sir Herbert, I.F.S., Inspector General of Forests; Kothawala, Z. R., B. Ag., B. Sc., N. D. D., Director of Dairy Research (Offg.); Minett, Dr. F. C., D.Sc., M.R.C.V.S., Director, Imperial Veterinary Research Institute; Bains Prashad, O.B.E., D.Sc., F.R.S.E., F.A.S.B., F.Z.S., F.L.S., M. B. O. U., Director, Zoological Survey of India; Sen, S. N., M. A., Ph. D., B. Litt. (Oxon.); Keeper of the Records of the Govt. of India; Asadullah, Khan Bahadur K. M., B. A., F. I. A., Librarian, Imperial Library, Calcutta; Wood, W. W., F.R.I., B. A., M.I. Struct. E., Principal, Delhi Polytechnic.

DEPARTMENT OF INDIANS OVERSEAS

Bozman, The Hon. Mr. G. S., C. I. E., I. C. S., Secretary; Pai, A. V., O.B.E., I.C.S., Dy. Secretary.

LEGISLATIVE ASSEMBLY DEPARTMENT

Rafi, Main Muhammad, B. A., (Oxon.) Bar-at-Law, Secretary; Kaul, M. N., M.A., (Cantab.) Bar-at-Law, Dy. Secretary; Hasnain, Khan Bahadur, S.G., Asst. Secy.

WAR TRANSPORT DEPARTMENT

Roy, The Hon. Sir Satyendra Nath, C. S. I., C. I. E., I. C. S., Secretary; Warren, D. D., I. C. S., Jt. Secretary; Coates, C. L., I. C. S., Dy. Secretary; Langham Carter, R. R., I.C.S., Petrol Rationing Officer and ex-officio Addl. Dy. Secretary.

Regional Railway Priority Authorities

Crawford, C. A., Regional Controller, Calcutta, West; Vipani, R. S., Regional Controller, Calcutta North; McNeill, K. J. V. D., Controller,

Bombay ; Carpenter, H. G., Controller, Madras ; Biscoe, W. T., Controller, Lahore.

Coal Control Organisation. Faruque, Khan Bahadur G., Controller of Coal Distribution ; Yoosuf, Major, S. A., Dy. Controller of Coal Distribution.

DEPARTMENTS OF POSTS AND AIR

Bewoor, Sir Gurunath, C.I.E., I.C.S., Secretary ; Bhansali, M.D., I.C.S., Dy. Secretary ; Salmond, H. G., Chief Govt. Inspector of Railways ; Vesugar, J. B., I.S.E., Consulting Engineer to the Govt. of India (Roads).

India Meteorological Department. Normand, C. W. B., C.I.E., M.A., D. Sc., (Edin.), Director General of Observatories, (on leave) ; Banerji, S. K., O.B.E., M.Sc., D. Sc. (Cal.) Offg. Director General of Observatories ; Sohoni, V. V., B.A., (Hons.) M.Sc., Supdt. Meteorologist.

Civil Aviation Office. Tymms, Sir Frederick, C.I.E., M.C., F.R.E.S., Director of Civil Aviation in India (Placed on special duty with the Govt. of India, P. & A., Deptt.) Watt, Lt.-Commr. W. H., O.B.E., R.N.R., (Retd.) Offg. Director of Civil Aviation in India.

Posts and Telegraphs Directorate. Shoober, W. H., C.I.E., E.D., I.C.S., Director General ; Edmunds, P. J., C.I.E., M.A., B.Sc., Chief Engineer, P & T., (on leave) ; Brokenshaw, A., Chief Engineer, P. & T. (Offg.) ; Kothawala, Khan Bahadur S. R., M.A., Senior Dy. Director General ; Frome, N. F., M. Sc., D.F.C., M.I.E.E., Addl. Chief Engineer, P. & T. ; Sur, H., O.B.E., Dy. Director General, Phones ; Shalom, R. E., B.A., (Hons.), Dy. Director General, Postal Services ; Swinstead, N. H., M.B.E., M.A., Dy. Director General, Telegraphs ; Jai Behari Lal, Rai Bahadur, M.A. Dy. Director General (War) ; Khan Bahadur M. N., M.A., LL.B., Dy. Director General (Establishment) ; Dennis, R. B., B. Sc., (Eng.) A.C.G.I., F.R.A.I., F. R. G. S., M.I.E.E., Dy. Chief Engineer, P. & T. ; Cooke, Lt.-Col. C. R., Director of Telegraphs ; Grant, L. C. P. M., O.B.E., Director of Telegraphs.

RAILWAY DEPARTMENT (RLY. BOARD)

Wilson, Sir Leonard, Chief Commissioner of Railways ; Sankara Aiyer, T. S., C.I.E., Financial Commissioner, Railways ; Raper, Sir Hugh, Member, Transportation ; Wagstaff, Colonel H. W., M.C., Member, Staff ; Campbell, D. Colin, Director, Railway Accounts ; West, S. E. L., C.I.E., O.B.E., V.D., Director, Traffic ; Swain, L. H., Director, Civil Engineering ; Flatt, L. N. C.I.E., V.D., Director, Mechanical Engineering. Puri, I. S., Director, Finance ; Sheikh, Khan Bahadur, M.D., Director, Establishment ; Michael, J. D., Secretary ; Benton, W. S., Officer on Special Duty, A. R. P.

WAR DEPARTMENT

Trivedi, C. M., C.S.I., C.I.E., I.O.S., Secretary ; Irwin, J. B., M.Sc., D.S.O., Addl. Secretary ; Young, G. Mackworth, C.I.E., F.S.A., I.C.S., (Retd.) Joint Secretary ; Mason, P., O.B.E., I.C.S. Deputy Secretary.

DEFENCE DEPARTMENT

Ogilvie, The Hon. Mr. C. Macl. G., C.S.I., C.B.E., I.D.C. I.C.S. Secretary ; Wakely, L. J. D., M.B.E., I.C.S., Dy. Secy. ; Grant, Col. F. R. E., O.B.E.,

Director of Military Lands and Cantonments ; Shearcroft, Lieut. Col. R. J., M.B.E., Director of Military Regulation and Forms ; Dashood Strettell, Col. Sir C. B., K.C.I.E., C.B., I.R.R.O., Director, Demobn. and Reconstrn. ; Bloodworth, Lt.-Col. H. E., M.B.E., E.C., Dy. Military Secretary ; Hutton, Lieut. Genl. T. J., C.B., M.C., Secretary ; Mani, T. M. S., I.C.S., Dy. Secretary ; Gopalaswami, R. A., I.C.S., Secretary, National Defence Council.

DEPARTMENT OF SUPPLY

Main Secretariat

Waugh, A. A., C.S.I., C.I.E., I.C.S., Secretary. Yeatts, M.W.M., C.I.E., I.C.S., Jt. Secy. ; Mackown, J. A., C.I.E., I.C.S., Jt. Secretary ; Kirpalani, S. K., C.I.E., I.C.S., Jt. Secy. ; Nehru, R. K., I.C.S., Jt. Secretary.

Pitkeathly, Sir James, Representative in India of the Ministry of Aircraft Production.

Branch Secretariat Directorate General of Supply

Targett, R. W., C.I.E., Director General of Supply ; Bhoothalingam S., I.C.S., ; Dy. Secy. to the Govt. of India ; Desai, C. C., I.C.S., Dy. Director General I. ; Stewart, D., I.F.S., Dy. Director General II. ; Aftab Rai, Rai Bahadur, Dy. Director General III. ; Mitter, S. N. Statistical Officer.

Textiles Directorate. Tosh, C. W. Director, Textiles ; Oakley, W. J., Deputy Director, Textiles ; Wadia, K. C., B.A., A.M.I.C.E., Director Misc. Stores ; Lal, M. B., Dy. Director, Misc. Stores ; Oakley, E. A., Director, Vehicles.

Petroleum Product Directorate. Sinclair, J. F., Director, Petroleum ; Sharma, Gyan Chand, Dy. Director Petroleum ; Anderson, J. P., Controller, Rubber ; Challans, F. B., Director, Leather Manufactures ; Randal, D. A., Director, Tanning and Footwear ; Gorri, G. M. Director, Timber ; Bhatt, L. A., Director, Chemicals ; Goldthorp, Col. H. D., Director, Clothing ; Bouch, W. L., Beaudin Co. Engineer with the Supply. Dept. ; Ormerod, H. E., Honorary Cement Adviser ; Pederson, S., Consultant Engineer, Cement ; Crerar, P. R., Controller of Chemicals.

Purchase Branch

Office of the Chief Administrative Officer. Sarkar, B. B., I.C.S., Chief Administrative Officer ; Morshed, K. G., I.C.S., Chief Controller of Purchase (Supply).

FEDERAL PUBLIC SERVICE COMMISSION

Robertson, F. W., C.S.I., C.I.E., I.C.S., (Retd.) Chairman ; Sanjiva Row, K., M.A., C.I.E., Member ; Smith, W. R. G., C.I.E., Bar-at-Law, I.P., Member ; Rahman, Lt. Col., M. A., Member. Edmonds, F. F. C., M. A., B. Sc., Secy. ; Quraishi, F. E., B.A., Asst. Secy. and Supervisor of Examinations.

FEDERAL COURT OF INDIA

Spens, The Hon. Sir Patrick, O. B. E., Chief Justice of India ; Varadachariar, The Hon. Mr. Justice Srinivasa, Kt., Judge ; Zafarulla Khan, The Hon. Mr. Justice Muhammad, K.C.S.I., Judge ; Banerjee, Rai Bahadur, A.L., B.A., I.S.O., Acting Registrar.

MISCELLANEOUS FACTS AND FIGURES ABOUT INDIA

DISTRICTS IN INDIA*

<i>Province</i>	<i>No. of Districts.</i>	<i>Province</i>	<i>No. of Districts</i>
Madras ...	25	C. P. & Berar ...	9
Bombay ...	17	Assam ...	12
Sind ...	4	N.-W.F.P. ...	6
Bengal ...	23	Baluchistan ...	9
U. P. ...	49	Ajmer-Merwara ...	1
Punjab ...	29	Coorg ...	1
Bihar ...	13	Delhi ...	1
Orissa ...	6	Total	205

INFIRM PERSONS IN INDIA (CENSUS OF 1931)

	<i>Male</i>	<i>Female</i>	<i>Total</i>
Insane	74,002	46,302	120,304
Deaf-Mutes	137,680	93,215	230,895
Blind	284,741	316,629	601,370
Lepers	107,892	40,019	147,911
<i>Total</i>	<i>604,315</i>	<i>496,165</i>	<i>1,100,480</i>

INDIAN PRIVY COUNCILLORS

Ameer Ali		H. H. the Aga Khan	1934
Sir B. C. Mitter		Sir Tej Bahadur Sapru	1934
V. S. Srinivasa Sastri	1921	Sir Akbar Hydari	1936
Lord Sinha	1926	M. R. Jayakar	1936
Sir D. F. Mulla	1930	Sir C. Madhavan Nair	1941
Sir Shadilal	1934		

INDIAN FELLOWS OF THE ROYAL SOCIETY

S. Ramanujam	Sir Chandrasekhar Venkata Raman
Sir Jagadish Chandra Bose	Dr. Birbal Sahni
Dr. Meghnad Saha	Dr. K. S. Krishnan
	Dr. H. J. Bhabha

INDIAN FELLOW OF THE BRITISH ACADEMY

Sir Sarvapalli Radhakrishnan (1939)

INDIANS IN BRITISH PARLIAMENT

Sir Muncherjee Bhowmagree	(Conservative)
Dadabhai Naoroji	(Liberal)
Sapurji Saklatvala	(Communist)
Lord Sinha, First Baron of Raipur	(House of Lords)
Lord Sinha, Second Baron of Raipur	(House of Lords)

INDIAN PEERS OF THE BRITISH REALM

Sinha, Satyendra Prasanna, First Baron of Raipur.
Sinha, Aroon Kumar (b. 1887), Second Baron of Raipur.
[Heir—Hon'ble Sudhindra Sinha (b. 1921)]

* Districts for civil cases.

INDIAN KING'S COUNSEL

Bhugwandin Dube, 1931.

INDIAN BARONETS OF THE UNITED KINGDOM

Sir Cowasji Jehangir 1908 ; Sir Jamsetji Jejeebhoy, 1857 ; Sir Chinubhai Madhowlal Ranchodlal, 1913 ; Sir Dinshaw Maneckjee Petit ; Sir Victor Sassoon ; Sir Kenneth Gibson ; Sir Richard Temple.

INDIAN RECIPIENTS OF VICTORIA CROSS

Badlu Sing, *Reszaldar*, (14th Lancers), Great War, 1918.
 Chatta Singh, *Sepoy*, (Bhopal Inf.), Great War, 1916.
 Darwan Singh Negi, *Naik*, (Garhwal R.), Great War, 1915.
 Gobard Singh Negi, *Rifleman*, (89th Garhwals) Great War, 1915.
 Govind Singh, *Dafadar*, (Ind. Cav.), Great War, 1918.
 Ishar Singh, *Naik* (28th Punjabis), Waziristan, 1921.
 Karanbahadur Rana, *Naik*, (Gurkha Rifles), Great War, 1918.
 Khudadad Khan, *Naik*, (29th Baluch), Great War, 1914.
 Kulbir Thapa, *Rifleman*, (Gurkha R.), Great War, 1915.
 Lala, *Lance-Naik*, (41st Dogras), Great War, 1916.
 Mir, Dost, *Subadar*, (Coke's Rifles), Great War, 1915.
 Shahamad Khan, *Naik* (Punjabis), Great War, 1916.

During Present War

Second Lieut. Premindra Singh Bhagat, (Indian Engineering Corps), June, 1941.
 Subadar Richpal Ram, (6th Rajputana Rifles), *Posthumous award* July, 1941.
 Havildar Prakash Sing, (8th Punjab Reg.) July, 1943.
 Subedar Lal Bahadur, Thapa (2nd Gurkha Rifles) July, 1943.
 Havildar Major Chhelu Ram, (6th Rajput Rifles) August, 1943.

PRESIDENTS, LEGISLATIVE ASSEMBLY (CENTRAL)

Sir Frederick Whyte*	1920-25
V. J. Patel	1925-30
Sir Ibrahim Rahimtoola	1930
Sir Shanmukhan Chetty	1930-33
Sir Abdur Rahim	1933-

RAILWAY ACCIDENTS IN INDIA†

<i>Year</i>	<i>No. of killed</i>	<i>No. of wounded</i>
1929-30	3,344	7,967
1930-31	3,156	8,486
1931-32	2,869	9,153
1932-33	2,713	9,484
1933-34	2,793	10,184
1934-35	3,003	10,195
1935-36	2,985	10,555
1936-37	3,123	11,060
1937-38	3,328	13,997
1938-39	3,439	15,650
1939-40	3,537	18,282

* Appointed by the Governor-General. The rest were elected.

† Exclusive of accidents in Railway premises but not connected with movements of trains, vehicles, etc.

MOTOR VEHICLES RUNNING IN BRITISH INDIA

(As at 31st March, 1940)

<i>Area</i>	<i>Motor Cars including Taxi Cabs</i>	<i>Motor Cycles including Scooters and Auto Wheels</i>	<i>Heavy motor vehicles (Lorries, Buses)</i>	<i>Total</i>
Madras Province (exclud- ing Madras City)	9,208	935	4,695	14,838
Madras City	5,126	468	846	6,440
Bombay	18,850	1,638	7,969	27,957
Bengal (excluding Calcutta and Howrah Town)	4,391	402	2,481	7,274
Calcutta including Howrah Town	18,030	737	3,700	22,467
United Provinces	18,570	978	3,564	18,112
Punjab	6,246	831	6,295	19,372
Bihar	5,549	619	1,409	7,577
Orissa	767	126	373	1,266
Central Provinces and Berar	8,918	746	1,874	6,598
Assam	3,427	209	2,155	5,791
N.-W. F. Province	1,528	150	1,352	3,025
Sind	3,450	462	914	4,826
Ajmer-Merwara	730	86	162	978
Delhi Province	(g)	(g)	(g)	(g)
<i>Total</i>	94,285	8,987	37,789	140,461

STRENGTH AND COST OF CIVIL POLICE (1939)

<i>Province</i>	<i>Sanctioned strength</i>	<i>Total cost (Rupees)</i>
Madras	27,023	1,59,86,848
Bombay	22,866	1,37,82,016
Sind	6,185	40,08,446
Bengal	31,188	2,24,22,462
U. P.	32,994	1,58,86,948
Punjab	23,189	1,21,45,544
Bihar	12,409	67,81,570
Orissa	1,010	22,80,422
C. P. & Berar	11,547	59,27,326
Assam	4,498	27,61,348
N.-W. F. P.	7,885	35,20,420
Bt. Baluchistan	1,865	10,50,566
Ajmer-Merwara	1,467	7,88,400
Coorg	150	69,441
Delhi	2,155	12,96,888
<i>Total (1939)</i>	186,931	10,85,481,40
<i>Total (1930)</i>	201,538	12,30,67,215

(g) Figures not yet available.

PROPERTY STOLEN AND RECOVERED (1938)

<i>Province</i>	<i>Number of cases in which property was stolen</i>	<i>Number of cases in which property was recovered</i>
Madras	24,532	11,640
Bombay	16,154	8,084
Sind	4,369	2,018
Bengal	4,393	13,477
United Provinces	50,830	14,052
Punjab	24,785	10,202
Bihar	24,921	6,291
Orissa	5,202	1,801
Central Provinces and Berar	38,923	11,997
Assam	8,049	2,215
N.-W. F. P.	3,575	970
British Baluchistan	672	284
Ajmer-Merwara	1,711	637
Coorg	155	85
Delhi	1,592	746
<i>Total</i>	<i>251,868</i>	<i>84,499</i>

NUMBER AND DISTRIBUTION OF PRISONERS (1939)

<i>Province</i>	<i>Total Daily average of Prisoners</i>		<i>Total</i>
	<i>Males</i>	<i>Females</i>	
Madras	13,805	352	14,157
Bombay	8,195	238	8,433
Sind	4,737	21	4,758
Bengal	18,827	230	19,057
U. P.	32,497	398	32,895
Punjab	21,006	255	21,261
Bihar	11,639	237	11,876
Orissa	1,566	54	1,620
C. P. & Berar	4,823	221	5,044
Assam	3,177	39	3,216
N.-W. F. P.	5,866	67	5,933
Bt. Baluchistan	896	21	917
Ajmer-Merwara	418	12	430
Coorg	29	1	30
Delhi	633	6	639
<i>Total (1939)</i>	<i>128,114</i>	<i>2,152</i>	<i>130,266</i>
<i>Total (1930)</i>	<i>150,921</i>	<i>2,521</i>	<i>153,442</i>

NUMBER ASSESSED TO INCOME-TAX

(Classified according to grades of income)

<i>Serial No.</i>	<i>Grades of Income</i>	<i>Number assessed</i>
I	1,000 to 1,499	5,822
II	1,500 to 1,999	
III	2,000 to 2,499	
IV	2,500 to 2,999	
V	3,000 to 3,499	170,291
VI	3,500 to 4,999	
VII	5,000 to 7,499	
VIII	7,500 to 9,999	54,092
IX	10,000 to 12,499	
X	12,500 to 14,999	17,695
XI	15,000 to 19,999	
XII	20,000 to 24,999	8,428
XIII	25,000 to 29,999	4,609
XIV	30,000 to 39,999	2,406
XV	40,000 to 49,999	2,502
XVI	50,000 to 99,999	995
XVII	100,000 and over	1,316
XVIII	Taxed at source at Maximum rate	655
XIX	Covered by anticipatory certificates	4,220
XX	Other income	2
<i>Total 1939-40</i>		8
		278,038

NUMBER OF PRINTING PRESSES AT WORK AND NUMBER OF NEWSPAPER, PERIODICALS, AND BOOKS PUBLISHED

<i>Province</i>	<i>Printing Presses</i>	<i>News- papers</i>	<i>Periodicals</i>	<i>In English or other European Languages</i>	<i>In Indian Languages (Vernacular & Classic or in more than one Language)</i>
Madras	2,734	917	985	551	2,507
Bombay	1,208	598	...	624	3,270
Sind	307	189	60	95	340
Bengal	1,788	154	762	1,868	3,074
United Provinces	1,085	341	504	297	2,429
Punjab	551	418	455	350	1,834
Bihar	249	48	94	33	174
Orissa	78	31	65	21	519
C. P. & Berar	231	89	38	38	252
Assam	98	30	48	2	28
N.-W. F. P.	48	42	8	13	8
Ajmer-Merwara	42	12	16	10	141
Coorg	2	2	1	1	7
Delhi	177	61	82	24	242
<i>Total 1939-40</i>	8,548	2,872	3,118	3,442	14,820

POST OFFICES (*British India*)

<i>Year</i>	<i>Post Offices</i>	<i>Total strength of establishments</i>
1928-29	22,820	112,714
1929-30	23,868	114,812
1930-31	24,175	115,205
1931-32	23,985	118,926
1932-33	23,797	106,480
1933-34	23,676	106,204
1934-35	23,622	104,202
1935-36	23,695	103,568
1936-37	24,917	104,847
1937-38	24,253	101,674
1938-39*	24,303	101,514
1939-40*	24,741	104,451

POST OFFICE CASH CERTIFICATES—INDIA & BURMA

(in Lakhs of Rupees)

<i>Year</i>	<i>Receipts</i>	<i>Payments</i>	<i>Net receipts</i>	<i>Total amount outstanding</i>
1917-18	10.00	1.12	8.88	8.88
1930-31	11.78	8.35	3.43	38.43
1931-32	14.49	8.34	6.15	44.58
1932-33	15.74	4.68	11.06	55.64
1933-34	13.31	5.24	8.07	63.71
1934-35	9.95	7.70	2.25	65.96
1935-36	13.45	13.43	2	65.98
1936-37	14.88	16.46	-1.58	64.40
1937-38	14.32	18.19	-4.51	60.53
1938-39	15.03	15.40	- 91	60.16
1939-40	10.54	12.88	-2.27	57.82
1940-41*	4.89	14.93	-10.04	46.98
1941-42*	4.02	11.88	- 7.87	39.13

POST OFFICE SAVINGS BANKS—INDIA & BURMA

(in Lakhs of Rupees)

<i>Year</i>	<i>Deposits</i>	<i>Withdrawals</i>	<i>Interest</i>	<i>Net increase</i>	<i>Amount outstanding at the end of the year</i>
1918-14	10.99	9.04	61	2.56	23.16
1930-31	24.36	25.50	1.04	10	37.02
1931-32	27.39	27.29	1.08	1.18	38.20
1932-33	30.96	26.86	1.15	5.25	43.45
1933-34	36.87	23.37	1.28	8.78	52.23
1934-35	38.67	37.26	1.34	2.75	58.30
1935-36	46.33	38.88	1.50	8.95	67.25
1936-37	43.38	37.40	1.45	7.43	74.68
1937-38	44.71	41.05	1.50	5.16	79.84
1938-39	46.12	42.98	1.46	4.60	84.44
1939-40	41.95	46.59	1.20	- 8.68	81.00
1940-41*	25.35	45.09	93	-18.81	59.57
1941-42*	21.89	30.08	...	-8.18	51.29

Excluding Burma and Aden.

POST OFFICE DEFENCE CERTIFICATES

(In Lakhs of Rs.)

	Receipts	Withdrawals	Outstanding
1940-41	2.41	12	2.29
1941-42	2.81	75	2.06

SOCIETIES AND ASSOCIATION

ANTHROPOLOGICAL SOC. OF BOMBAY (K. R. Cama Oriental Inst. Bldg, 186, Apollo St., Bombay): Estd. 1886 to promote Indian anthropological research. Subs. p. a. Rs. 10.

BANGIYA SAHITYA PARISHAD (248/1, Upper Circular Rd., Cal.): Premier Bengali literary academy. Issues a journal. Has a very valuable library.

BENARES MATHEMATICAL SOC. (22, Senpura, Benares): Estd. 1918 to promote mathematical research. Issues a journal. Exchanges with foreign universities and societies. Library with Benares Hindu University. Subs p. a. for resident members Rs. 12, for other members Rs. 5.

BHANDARKAR ORIENTAL RESEARCH INST. (Poona): Estd. 1917: to facilitate research in oriental studies and immortalise late Sir R. G. Bhandarkar's work and name. Bombay Govt. gave it 1918 the mss. library attached to Deccan College with a grant of Rs. 3000 p. a. for maintenance and handed to it the conduct of Bombay Sanskrit and Prakrit Series and a grant of Rs. 12,000. Has some 20,000 Sans. Mss. collected by Buhler, Kielhorn, Bhandarkar, etc. since 1868—one of the biggest and most valuable collns. in India and Bhandarkar's colln. of over 8,000 old and rare vols. on Indology, Jain and Semitic Dept., estd. 1920, colls. Avesta, Pahlavi, Persian and Arabic Mss. and publishes Jain litt. Conducts besides Sans. and Prak. Series Govt. Oriental Series and the qrtly. *Annals*. Research Dept. estd. 1927 affords post-grad. teaching and research in Sans., Pali, Ardhamagadhi and Anc Ind. culture. Publishing an authoritative and critical edn. of the *Mahabharata*.

BHARAT ITIHASA SANSODHAKA MANDAL (312-18, Sadashiv Peth, Poona): Estd. 1910 to collect and conserve historical materials, publish hist. wks. and promote study and research in Ind. hist. Its own bldg. houses Persian, Marathi and Sans. Mss. valuable paintings, rare coins, armour, copper plates, sculptures, etc. Issues a qrtly. Gets grants from princes and the public.

BOMBAY NATURAL HISTORY SOC. (6, Apollo St., Bombay): Estd. 1884 to promote study of Nat. Hist. in all branches. Exchanges notes and observations on geology, exhibits interesting nat. hist. specimens. Issues the famous *Journal*. A ref. library of 1,000 vols. and fine ref. collns. of smaller Eastern Zoological species and of horns, heads and skulls of bigger Ind. mammals, some of which are now shifted to Prince of Wales Museum whose Nat. Hist. Colln. was entrusted to it in 1929. Subs. p. a. incldg. Journal subs. Rs 25. 1,200 members.

EUROPEAN ASSCN: Estd. 1888 as 'European and Anglo-Indian Defence Asscn.', re-estd. 1912 as 'European Def. Asscn.', took present name

in 1918. mainly to organise European influence in Ind. political life. Central Administration in Sassoon House, 4, Lyons Range, Cal. 17 branches all over India.

INDIAN ACADEMY OF SCIENCES (Bangalore): Estd. 1934 to cultivate researches in pure and applied sciences. Fellows (now 198) are scientists of proved ability for research in various depts. of science. Also 42 hony. fellows chosen from great savants all over the world. Published proceedings are in 2 sections devoted to important discovery and researches by fellows and collaborators. 12 vols. and 2 numbers of 1,687 papers so far issued. Has exchange relations with 115 scientific instns. the world over. Financed by Mysore, Travancore, Hyderabad, Bhopal, Kashmir, Bhavnagar, Cochin and Indore States and the Govts. of Bombay and Madras and Universities of Madras, Andhra, Annamalai and Agra. All-India Council of 23 members.

INDIAN AND EASTERN NEWSPAPER SOC. (P. B. 69, New Delhi): Estd. 1939 as a central assn. of the Newspaper Press of India, Burma and Ceylon to protect members' business interests.

INDIAN ASSCN. FOR THE CULTIVATION OF SCIENCE (210, Bowbazar St., Cal.): Estd. 1870 by late Dr. Mahendralal Sircar to cultivate sciences. Oldest instn. of its kind in India, liberally donated to by Govt. and the public. The Mahendralal Prof. guides higher researches mainly in Physics. Sir C. V. Raman's researches earning him the Nobel Prize were done here. Dr. K. S. Krishnan, P. R. S., the first Mahendralal Sircar Professor worked here from 1938-42, and was elected fellow of Royal Society for his original work on Physics. Conducts undergrad. classes in Botany and *Indian Journal of Physics* and its *Proceedings*. Life and Ord. (Resident and Nonrd.) members. Comte. of 29 members.

INDIAN CHEMICAL SOC. (Cal. office: Univ. Sc. Coll Bldgs.): Estd. 1924 to promote study of chemistry and chem. industries in India. Very influential members. Issues a monthly with valuable research papers. Subs. p. a. Rs. 16 and a quarterly industrial and news edition. Subs. p. a. Rs. 6/-. Branches at Bombay, Madras and Lahore.

(THE) INDIAN MATHEMATICAL SOCIETY was published in 1907 to advance Math. studies in India. The Society publishes two quarterlies "The Journal of Indian Mathematical Society" and "The Mathematics Student" and also maintains a Library of Mathematics Journals from various countries. The Library is housed in the Fergusson College, Poona.

INDIAN OVERSEAS CENTRAL ASSCN. (Reading Rd., New Delhi): Estd. 1938 to protect and promote all overseas Indians' interests, aid Indian emigrants, foster amity between Indians and non-Indns. and make propaganda. All sympathetic Indians can be members. A move set on foot for building a 'Pravasi Bhawan' (Overseas House) in New Delhi. Comte. of 32 members.

INDIAN RED CROSS SOCIETY, Headquarters New Delhi. Established by Act XV of 1920 to care for the sick and the wounded of His Majesty's Forces and sufferers from Tuberculosis, and to assist in health, maternal and child welfare, school health, nursing and Home Service Ambulance work. Has 29 Provincial and State and 307 District Branches. Its Maternity and Child Welfare Bureau maintains or subsidises Health Schools for the training of Health Visitors at Delhi, Calcutta, Lucknow and Poona. President H. E. the Viceroy, Chairman, Managing Body—Lt. Genl. Sir Gordon Jolly, Secretary—Sardar Bahadur Balwant Singh Puri.

INDIAN RESEARCH FUND ASSOCIATION. This Association was constituted in 1911 with a sum of Rs. 5,00,000/- set aside as an endowment for the prosecution and assistance of research, the propagation of knowledge, and experimental measures generally in connection with the causation mode of spread and prevention of communicable diseases. The Association can claim to be amongst the pioneers in organised medical research on a large scale and its work has been widely appreciated in other countries.

The control and management of the Association are vested in a Governing Body, the President of which is the Member-in-Charge of the Department of Education, Health and Lands of the Government of India. The Governing Body is assisted by a Scientific Advisory Board, of which the Director General, Indian Medical Service, is the Chairman and the Public Health Commissioner with the Government of India is the Secretary. The latter is also the Secretary of the Governing Body. The Scientific Advisory Board is assisted by Advisory Committees consisting of workers on more important items of research, e.g. malaria, nutrition and plague, who examine proposals for research work and make recommendations to the Board. The Association has an Assistant Secretary, who is a retired officer of the Government of India.

The results of researches carried out under the auspices of the Association are published in the 'Indian Journal of Medical Research' and its 'Memoirs' and the 'Journal of the Malaria Institute of India' all of which are issued under the authority of the Association.

Besides financing investigations which are conducted by workers in its direct employment, the Association gives grants-in-aid to institutions and also to outside workers. The Association maintains the Research Section of the Malaria Institute of India at Delhi as well as its Southern India Branch at Coonoor, which was previously financed and run by the Rockefeller Foundation and which has been taken over by the Association. Besides carrying out experiments in connection with the prevention of malaria, the Institution holds annual classes at which candidates from India and abroad are shown the latest methods for dealing with the Malaria problems.

The Association also maintains the Nutrition Research Laboratories at Coonoor, which carry out investigations having direct bearing on the problem of nutrition in India. Besides research work at these laboratories, annual classes are held at which candidates from all parts of the country are trained in the problems of nutrition. These laboratories collaborate in the nutrition work of the League of Nations and act as a liaison laboratory for the Far Eastern countries. The nutrition advisory committee of the Association has been recognised as the National Advisory Nutrition Committees for India.

The Association have adopted a scheme for the award of Research Fellowships of the value of Rs. 150/- per mensem each tenable for a period of two years. The Fellowships are intended to encourage young medical graduates who have shown initiative and are considered suitable to undertake independent research.

INDIAN SCIENCE CONGRESS ASSCN. (92, Upper Circular Road, Cal.) : Sponsored by Prof. P. S. Macmahon and Dr. J. L. Simonsen, estd. 1914 (Sir Asutosh Mookerjee being 1st. Pres.) to advance scientific research in India by holding annual sessions and thus circulate its results, arrange for personal contact among researchers and foster public interest work. Managed by

Royal Asiatic Soc. of Beng. till 1939 : now it has own permanent staff and office. Cong. meets every Jany. in a principal city, invited by some Univ. 6-day Session divided into 1 General and 12 Sectional meetings, each presided by own Pres. chosen yearly, devoted to Math. and Statistics, Physics, Chem., Geol., and Geog., and Archaeology. Bot., Zool., and Entom., Anthrop., Med. and Vety. Sciences, Agric, Physiol. Psychol. and Educ. Sc., and Engr. and metallurgy where papers are read and discussed and spec. discussions, symposia and popular evening lectures by eminent scientists and specialists held.

INDIAN STATISTICAL INSTITUTE (Statistical Laboratory. Presidency Coll., Cal.) : Estd. 1932 to promote study of pure and applied statistics and allied subjs. and afford instuction and research in them. Ordy., Life and Hon. Members and Fellows. Exc. Council elected yearly. Branches with local commtes. at Mysore, Bombay, Poona, Madras, Lahore, Lucknow and Delhi. Issues *Sankhya*—The Ind. Jour. of Stats. Holds yearly Ind. Stat. Conf. Annual grants from India Govt. and elsewhere. Trains men deputed by Govt. depts., Univs. etc. and a few qualified students from all over India. and examines for Computer's Cert. and Statistician's Dipl. Much work also done in the Laby. under Prof. P. C. Mahalanobis. Inst.'s Hon. Secy., on applied problems, e. g., meteorology, rainfall, flood and irrigation, medl. stats. econ. and business research, agric. and animal nutrition, etc., random sample surveys, diet surveys, labour inquiries, crop forecasts, etc.

INSTITUTION OF ENGINEERS (INDIA) (8, Gokhale Rd., Cal.) : Estd. 1920 inc. by Royal Charter, 1935 to promote Indian engr. practice and business. Members, Associate Mems., Companions, Hon. Mems. and Hon. Life Mems. Students, Associates Srbscribers. Holds exams. recognised by India Govt.

MINING, GEOLOGICAL AND METALLURGICAL INSTITUTE OF INDIA, 27, Chowringhee, Calcutta : Estd. 1906 to promote the study of all branches of Indian mining, geology, metallurgy and engineering and diffuse information useful to development of Indian mining industries. Graduates and 1st class diploma-holders in any of said subjects and qualified mine field-workers can be members. Council of 21 members. Issues annual *Transactions*. Has a technical library for members in Indian School of Mines, Dhanbad.

NATIONAL INSTITUTE OF SCIENCES OF INDIA (1, Park St., Cal.) : Estd. 1935 to promote in India natural knowledge with its appl. to natl. problems, co-ordinate scientific socs. etc. with Govt. scientific depts. and services, foster Indian scientists' interests & represent to the world India's science work, undertake, through duly framed Natl. commtes. as the Natl. Research Council of India, scientific work of natl. & internatl. value & secure funds for it, & promote *liaison* bet. sc. & letters. Issues *Proceedings*, *Transactions*, & *Indian Sc. Abstracts* (annoted Ind. Sc. bibliography).

P. E. N. ALL-INDIA CENTRE, 22, Narayan Dabholkar Rd., Malabar Hill, Bombay : Estd. 1939 by Mrs. Sophia Wadia under presidency of Rabindranath Tagore as branch of the Internatl. Society of eminent Poets, Playwrights, Editors, Essayists & Novelists, to promote amity among writers, uphold freedom of speech, & advance natl. cultural unity by spreading appreciation of the Ind. literatures beyond their own language areas & abroad through public lectures books & its monthly, *The Indian P. E. N.* (Subs. Rs. 3). Recognised Ind. writers approved by Mang. Commte. can be members. About 200 membs. Adm. fee Rs. 5 ; Subs. Rs. 3 p. a. Life member's fee Rs. 100.

Pres., Sm. Sarojini Naidu ; Vice-Pres. Mr. Ramananda Chatterjee, Sir S. Radhakrishnan and Maulana Syed Sulaiman Nadir.

(BOMBAY) PRESS OWNERS' ASSOCIATION. (196B, Gaiwadi, Girgaum, Bombay) : Estd. 1919 to promote printing & litho press interests & secure cordial relations between press owners & workers or government.

(THE) PRES ASSOCIATION OF INDIA. Manmohan Building, Panjara-pole Chawl, Gaiwadi, Girgaon, Bombay 4 ; Estd. 1915 to watch and safeguard the interests of the Printing Presses and to fight for their rights and privileges and to ventilate their grievances to the Government. President : B. G. Horniman : Honorary Secretary : M. C. Modi.

ROYAL ASIATIC SOC., BOMBAY BRANCH (Town Hall, Bombay) : Estd. 1804 to foster & conduct research in oriental arts, sciences & litt. Issues a journal. Subs. p. a. Rs. 60.

ROYAL ASIATIC SOCIETY OF BENGAL (1, Park Street, Calcutta). The oldest literary and scientific Society in the East, founded by Sir William Jones in 1784. Objects : "The bounds of its investigations will be the geographical limits of Asia and within these limits its enquiries will be extended to whatever is performed by man or produced by Nature." Issues "Journal", "Year Book", "Memoirs" works in Bibliotheca Indica, and Miscellaneous other publications. Has a library of rare books and manuscripts. Yearly subscription : Resident, Rs. 86/- ; Non-Resident Rs. 24/- ; Foreign Rs. 16/-. President for 1948 : Dr. S. P. Mookerjee, M.A., B.L., D.Litt. General Secretary Dr. Kalidas Nag, M.A., D.Litt. Superintendent : P. O. Matthai, M. A., B. D.

ST. JOHN AMBULANCE ASSCN. (Indian Council) : Estd. 1910 to give first-aid training, make and distribute ambulance materials, etc. 91,158 persons attended during 1942 (59,762 secured certificates) its First-aid, Home Nursing, Hyg. and Sanitation, A.R.P., Dom. Hyg. and Mothercraft classes, The Viceroy, the Vicereine and the C-in-C. are Pres., Lady Pres. and Chairman resply. Sir Cameron Badenoch is the Chairman of the Executive Committee and Sardar Bahadur Balwant Singh Puri is the General Secretary. The St. John Ambulance Brigade Overseas in India possesses 565 Ambulance and Nursing Divisions in different parts of the country. They are rendering a yeoman service in attending to the sick, injured and wounded.

SERVANTS OF INDIA SOC. : Estd. 1905 by the late G. K. Gokhale to devotedly serve the country and promote Indians' interests by all constitutional means. Membership strictly limited, only 25 now, who get small allowce. for support. Hd. office—Poona ; brs. at Bombay, Madras, Allahabad, Lucknow, Lahore, Cuttack, etc. Besides political and labour work, social institutions estd. by some members at Poona, Bombay and Madras render educ. and soc. service, the *Seva Samiti* helps pilgrims at Benares, Hardwar, etc., and a depressed class mission and rural reconstruction work are conducted. Issues two papers. Non-communal and non-sectarian.

WOMEN'S INDIAN ASSCN. ("Seshadri", Mylapore, Madras) ; Estd. 1917 to abolish child marriage, spread educ. among women, remove their disabilities, help their civic and pol. advancement and self-development and engage them in country's service. Actively working for adult education and Harijan uplift. Has an orphanage for girls. 48 brs. in India. Connected with many womens' asscns. here and abroad. Has a *Seva Sadan*, a Rescue Home and a

Children's Aid Soc. Numerous membs. Held some confs. and passed impt. resolutions.

YOUNG MEN'S CHRISTIAN ASSCN : Estd. in London 1844 by late Sir George Williams to secure young men's religious, social, physical and educ. welfare the world over. In India, Burma and Ceylon some 60 independent branch asscns. (of several thousand members) each with a local council (some with own bldgs.), open to all and supervised by a Natl. Council with Head Office at 5, Russell St., Cal. Bombay Br., keen on genl. up-lift work, conducts a Welfare Service Agency for labour.

INDIAN MONEY MARKET 1942-43*

GENERAL ECONOMIC TRENDS. "Japan's entry into the war and the intensification of hostilities in Africa rapidly transformed India into a vital supply base for the strategy of the United Nations in the East and Middle East. The volume of war contracts placed by the Supply Department continued to mount, and the increasing payments received from His Majesty's Government on account of supplies of war materials and services to them and Allied Nations led to a growing accumulation of sterling balances and large issues of currency for immediate payments in India. The country's own defence expenditure also underwent a considerable expansion from Rs. 104 crores in 1941-42 to Rs. 190 crores in 1942-43, over and above a capital expenditure of Rs. 49 crores during the financial year, and the amount of borrowings, long and short term, rose correspondingly. Note circulation and scheduled banks' demand liabilities showed a steady rise of 62 and 56 per cent respectively during the year, while the amount of cheques passed through the clearing houses in India supervised by the Reserve Bank increased by 22 per cent. Wholesale prices (Economic Adviser's index) went up by 50 per cent during the eleven months upto May 1943, the Calcutta index number showing a greater rise of 79 per cent during the same period. Prices of gold and silver also rose steeply during the year by 69 and 54 per cent respectively, while the index of variable yield securities advanced by 40 per cent from June 1942 to April 1943. The cost of living followed the trend in wholesale prices, the rise in the Bombay index number during the year being 52 per cent. The extension of war to the Pacific and the scarcity of shipping space led to a severe contraction of foreign trade, while difficulties of transport for civilian goods, speculation and profiteering accentuated the maldistribution and shortages of food-stuffs, cloth and other essential articles. Disbursements in connection with the war effort, on the other hand, led to a rapid increase in the purchasing power in the hands of the public, including workers and the producers of primary commodities, not all of which could practically be drawn off by taxation and borrowing....The Excess Profits Tax Ordinance and the Capital Issues Control Order issued in May 1943 sought respectively to speed up the process of collection of the excess profits tax in order to draw off a part of the surplus purchasing power seeking avenues, largely speculative of short-term investment, and to prevent the growth of mushroom companies in the present abnormal conditions."

MONEY MARKET : "Although the various financial markets were comparatively more active, particularly during the latter half of the year under

* From Annual Report, Reserve Bank of India, year ending 30. 6. 48.

report, the short-term money market was characterised by plethoric conditions and the call rates in Bombay was quoted at $\frac{1}{2}$ per cent, throughout the year except for a brief period towards the close of March and the beginning of April when the rate advanced to $\frac{3}{4}$ per cent. The effects on term money rates of the increased activity in the purchase and movement of commodities were, however, more pronounced. The three and six months' deposit rates which were quoted around $\frac{1}{2}$ per cent and 1 to $1\frac{1}{4}$ per cent in July declined to $\frac{1}{4}$ to $\frac{3}{4}$ per cent and $\frac{1}{2}$ to $\frac{3}{4}$ per cent respectively in August when business activity was at a low ebb partly as a result of the developments in the internal political situation. Owing to a slightly better demand for money in October, which usually marks the beginning of the busy season, the rates again rose to $\frac{1}{2}$ per cent and 1 per cent, and towards the close of December registered a further improvement with the year end demand for funds. The three months' rate rose from $\frac{1}{2}$ per cent to $\frac{3}{4}$ per cent on the 28th December 1942 and the six months' rate was marked upto 1 to $1\frac{1}{4}$ per cent in January 1943. Since the beginning of February, the three months' and six months' rates improved further to $\frac{3}{4}$ to 1 per cent, and $1\frac{1}{4}$ to $1\frac{3}{4}$ per cent respectively owing to the increased demand for funds for the financing of commodities such as cotton, sugar, and wheat and continued at the same level for the rest of the year. It is, however, interesting to note that there was no change in the 12 months' deposit rate which remained steady at $1\frac{1}{2}$ to $1\frac{3}{4}$ per cent throughout the year."

INDIAN SECURITIES MARKET. "In the gilt-edged market in India the upward trend noticed during the closing months of the last year was continued, and prices showed a continuous improvement till November and after a slight setback in December remained steady for the rest of the year. The issue of Loan 1951-54 from the 8th July had a stimulating effect on the market. Thereafter, the market remained steady and, with a limited turnover, mainly as a result of the internal political situation, the rates were largely nominal with rupee paper quoting around Rs. 98. On the 2nd Sept. 1942 the Government of India announced an upward revision in the minimum prices of Government securities fixed on the 2nd March 1942, the price for rupee paper being fixed at Rs. 90 as against Rs. 87 in March 1942. This coupled with the announcement on the 15th September of the 8 per cent 1955 loans by four provincial governments, had a favourable effect on the market, and rupee paper rose to Rs. 94 on the 15th September. On the 28th November the Government of India removed certain short-dated securities viz. the 4 per cent Loan 1943, the 5 per cent Loan 1945-55 and the 5 per cent U. P. Loans 1944 from the list of securities for which minimum prices were fixed on the 2nd September 1942. Thereafter, apart from a minor recession at the time of the enemy air raid over Calcutta towards the end of December, the market remained steady with rupee paper quoting around Rs. 94 till about the close of the year. An announcement was made on the 14th May allowing the holders of Interest-Free Defence Bonds which fell due for repayment on the 10th June, the option of renewing them for a further period of three years subject to the original terms and conditions of issue. On the 26th June, the Government announced a further issue of the 8 per cent Loan 1963-65 and the 8 per cent Loan 1953-55 (Fourth Defence Loan) subscriptions to which were to be received from the 3rd July 1943. On the 30th June the price of $8\frac{1}{2}$ per cent paper rose to Rs. 94-8-0, and on the 5th July 1943 to Rs. 95.* The Economic Adviser's Index number of fixed yield

The quotations by the end of August, 1943 were above Rs. 97.

Government securities (1927-28=100) rose from 113.1 in June 1942 to 115.2 in July and steadily advanced to 116.3 in November, receding, however, to 115.8 in May 1943.

INDUSTRIAL SHARE MARKET. "The industrial share market had a generally healthy trend during most of the year and the prices of fixed-yield as well as variable-yield industrial securities experienced a more or less steady improvement....The news of enemy air raids over Calcutta in December brought about a sharp recession in prices of most shares, particularly iron and steel. The markets, however, soon developed a firm trend again on encouraging war news and thereafter prices tended steadily upwards except for a temporary relapse about the middle of March as a result of apprehensions regarding restriction of dividends on industrial shares. The rise appeared to be somewhat restrained on account of the exuberance of the commodity and bullion markets, forward transactions in which provided the main outlet for surplus short-term funds. The publication of the two ordinances in May (1943) relating to excess profits tax and control of capital issues followed by the cotton yarn and cloth control scheme, had a slight reaction on prices, while the closing of forward trading in commodities and bullion diverted speculative interest to the share market and led to a large increase in the volume of business and fluctuations in prices towards the close of the year.

The Economic Adviser's index number of variable yield securities, after remaining about 127 in the first two months, advanced to 186.3 in September and 149.2 in November and after reacting to 143.7 in December steadily went upto 174.5 in April 1943 and was lower at 170.7 in May. The improvement was most marked in cotton shares as it was in the prices of cotton manufactures among industrial articles, the index advancing from 117.5 in June 1942 to 216.1 in April 1943. Paper shares increased from 308.8 in June to 433.4 in April while cement rose from 211.4 to 297.7 during the same period. The rise in jute, coal, steel, tea and sugar shares was relatively smaller, though appreciable in itself. The index number of fixed yield industrial securities went up from 137.0 in June 1942 to 159.8 in May 1943. The Government of India published on the 17th May an amendment to the Defence of India Rules inserting a new rule, namely 94-A, regarding control of capital issues which prohibits the floatation of new companies or the raising of any fresh capital by sale of shares, stocks, bonds and debentures without the consent of the Central Government. The Order prohibits subscription by the public to any securities issued by a Company in respect of any issue of capital in British India or elsewhere without the consent of the Central Government. The object of the new rule is, as announced by Government, mainly to prevent the growth of mushroom companies and other undesirable practices such as the reconstitution or recapitalisation of concerns on the bases of their present abnormal profits to the detriment of an indiscriminating investing public."

GOVERNMENT LOANS : "The Central Government floated during the year the 3 per cent Loan 1951-54 (Third Defence Loan) from the 8th July 1942, which was closed on the 30th June 1943, and a special issue of the 3 per cent Loan 1963-65 which opened on the 3rd October and closed on the 15th October while the Three-Year Interest-Free Defence Bonds and Ten-Year Defence Savings Certificates also continued to remain on offer. In addition, to assist in the funding of the liability involved in the redemption of Indian Railway Annuities, the Government of India on the 1st May 1943 announced a special issue of Rs. 20 crores of the 3 per cent Defence Bonds 1946 for sale

through the Reserve Bank at prices ascertainable at the Bank from time to time. The issue price for these securities upto the 30th June 1948 was Rs. 102.15-0 for every Rs. 100 nominal.

The total subscriptions to the loans as on the 30th June 1948 were as follows :—

		Rs.
3% Third Defence Loan 1951-54	...	53,16,36,800
3% Loan 1963-65	...	15,00,00,000
Three Year Interest-Free Defence Bonds	...	8,15,22,987
8% 1946 Bonds (Special issue)	...	6,06,84,100

Four Provincial Governments viz. Bombay, the Punjab, Madras and the Central Provinces and Berar issued simultaneously on the 15th September, 8 per cent medium-dated loans repayable at par in 1955, the total amount raised being Rs. 7.75 crores."

REPATRIATION OF STERLING DEBT : "As announced in December 1941, the 8½ per cent non-terminable sterling stock fell due for repayment on the 5th January 1943. Of the outstanding amount, stock repaid up to the 26th June 1943 amounted to £ 56.69 million including £ 2.37 million held in India. In view of the continued accumulation of sterling, the Government of India were also in a position during the period under review to make provision for the funding of their liabilities in respect of Railway Annuities and for the redemption of Railway Debenture Stocks. In terms of the agreement concluded by His Majesty's Government and the Government of India as announced at the end of September 1942, the British Government are to provide the Government of India with annual sums required for the repayment of Railway Annuities until their termination in return for an immediate lump sum payment of £. 30.05 million by the Government of India. The capital portion of the Railway Annuities was £ 27.06 million and the transaction amounted, in effect, to an investment by the Indian Government at 2½ per cent realisable by varying instalments over a period, the total amount of payments after the 1st October 1942 to the annuitants being estimated at £ 94.11 million. As regards the Railway Debenture Stocks, the United Kingdom and the Indian Government Vesting Orders dated the 16th January 1943 called upon the residents in the two countries to surrender their holdings of the stocks on the basis of the prices prevailing on the date of the Vesting Orders plus an allowance for the delay in examining the documents surrendered for repayment. Out of the total outstanding stock of the face value of £ 20.2 million on the 15th January 1943, £ 16.71 million was acquired under the two Vesting Orders including £ 0.51 million under the Indian Order by the 12th March 1943 at a total cost of Rs. 22.08 crores. Simultaneously with the announcement of the vesting of the above stocks, the requisite one year's notice was also given by the Secretary of State for India, as in the case of the 8½ per cent non-terminable sterling stock, for the redemption of the remaining three 8½ per cent Debenture Stocks of the nominal value of £ 11.1 million in respect of the East Indian Railway, the Great Indian Peninsula Railway and the Bombay-Baroda and Central India Railway on the 4th February 1944. The total amount of sterling liabilities redeemed during the year under review including open market purchases of £ 5.60 million amounted to £ 112.8 million."

EXCHANGE CONTROL : "During the year, the sterling area was extended by the inclusion of Madagascar and its dependencies on the 28th December 1942. Various measures prohibiting the import of foreign currency notes without the permission of the Government or the Reserve Bank were adopted mainly to control the import of Burma notes into the country with a view to preventing the realisation by the enemy of captured stocks of Burma notes. Payments and remittances were, as before, allowed freely to countries within the sterling area while control over transactions with countries outside the sterling area continued to be exercised through banks authorised to deal in foreign exchange. The export control system was further tightened up during the year. The bulk of exports from India to countries outside the sterling area was financed under bank credits and foreign exchange payments were regularly received within the stipulated period of six months. The deterioration in the shipping situation after the entry of Japan into the war made the supply of shipping space an important factor in the issue of licences under the import control system which had so far been based on the availability of foreign exchange and the supply of particular currencies. During the year the amount of United States dollars required for payment of imports declined steadily owing partly to a reduction in the imports of goods for civilian consumption but mainly to imports of oil, machinery, etc., coming forward under lend-lease procedure."

EXCHANGE : "The rupee-sterling exchange market was featureless during the year with the sellers quotation for telegraphic transfers for merchant business unaltered at 1 sh. 5-31/32d. The buying rates for telegraphic transfers and three months' D/A bills also remained unchanged at 1 sh. 6-1/32d. and 1sh. 6-9/32d. respectively. Owing largely to an increase in the favourable balance of trade during the financial year 1942-43 over the previous year, the net purchases of sterling by the Bank were higher at £ 97,739,241-8-0 during the year as compared with £ 81,604,025-11-7 in the preceding year. Repayments made by the Secretary of the State on account of recoverable war expenditure and purchases made on behalf of His Majesty's and Allied Governments, after deducting the sterling requirements of the Central Government and the Government of Burma, left a net credit in favour of India of £ 235,975,000 against £ 145,860,000 in the previous year."

N. B. Read India in 1942-43 and Commodity Prices.

LIFE ASSURANCE IN INDIA

The progress of Life Assurance in India, which was very slow till 1912 had, with the endorsement of the Life Assurance Act of 1912, shown remarkable strength. The number and frequency of Life Office failures in India much diminished and since 1920, the number of policies sold by Indian Offices and the total number of policies in force have been on a steady increase. The Insurance Act 1938 makes a new milestone in the history of India Life Assurance and though the Act itself leaves many things to be desired, it seeks to strengthen the position of Life Offices and the control exercised by the Government of India, and is likely to make Indian Offices more popular and prosperous in near future. There are many who point to India's horrible backwardness in Life Assurance, with comparative statistics of the *per capita* Life Assurance covered in India and in other progressive countries of the world. Such deductions have little practical value and less theoretical

importance. In the progressive countries of the west and in Japan, the insurable public represents at least 40 to 60% of the adult population, between the ages 21-55, whereas in India, where barely 10% of the population are literate, only 2 to 8% of the total population between the ages 21 and 50 are insurable. But the proportion of the Indian people who have investable surpluses is dangerously low. In consideration of these facts we may say that Life Assurance has made very satisfactory headway in India. Compared to the modern banking, industries, and even the co-operative movement, the history of Life Assurance in India is one of steady progress.

The number of insurers registered under the Act of 1938, (excluding those whose registration had been concluded) upto 15th June, 1942, was 294 of which 198 were constituted in India and 94 outside India and two had contracts with the members of the Society of Lloyds. Of the 198 Indian offices, the provincial distribution is: Bombay 72; Bengal 48; Madras 32; the Punjab 17; Delhi 12; U. P. 7; C. P. 3; Sind 3; Bihar 2; one each in Assam and Ajmer-Merwara.

The total new sums assured by Indian Life Offices in 1940 amounted to nearly Rs. 85·23 crores, the total sum assured in force at the end of the year, to Rs. 244 crores and the total revenue income to Rs. 14·7 crores, and the total Life Funds stood at Rs. 56·8 crores.

PROGRESS OF LIFE ASSURANCE BUSINESS IN INDIA

Year	<i>New business written during the year</i> Rs. Lakhs	<i>Total business remaining in force at the end of the year</i> Rs. crores	<i>Life fund</i> Rs. crores	<i>Income during the year</i> Rs. Lakhs
1929	17·29	82	18·7	4·92
1933	24·88	1·19	28·7	8·15
1935	32·81	1·52	35·2	9·33
1936	37·80	1·75	40·2	11·35
1937	41·74	1·97	45·1	12·02
1938	46·68	2·19	50·6	14·13
1939	45·96	2·32	56·31	14·83
1940	85·23	2·44	62·41	14·23

The income during the year 1939 consisted of Rs. 12·18 lakhs under premiums, Rs. 2·46 lakhs under interest and Rs. 19 lakhs under other receipts. Of the expenditure, claims absorbed Rs. 4·09 lakhs; surrender and cash bonus Rs. 47 lakhs; annuities, etc. Rs. 7 lakhs; expenses of management Rs. 4·04 lakhs; dividends etc. Rs. 10 lakhs; depreciation, transfer, etc., Rs. 88 lakhs; miscellaneous Rs. 13 lakhs, and increase to Life Fund Rs. 5·10 lakhs.

The expense ratios and the rates of interest realised by the Indian Life Offices in each of the past five years are as follows:—

	1935	1936	1937	1938	1939	1940
Expense Ratio	31·0	32·5	32·2	31·7	33·2	28·9
Rate of Interest	4·93	4·69	4·76	5·15	4·68	4·37

Assets. The disposition of assets of Indian Companies in lakhs of rupees is as follows:—Mortgages on property—2·18; Loans on policies within their

surrender values—7,17 ; Loans on stocks and shares, etc.—29 ; Other loans — 38 ; Indian Government Securities—40,12 ; Securities of Indian States—49 ; British, Colonial and Foreign Government Securities—91 ; Municipal, Port and Improvement Trust Securities, etc —5,62 ; Shares in Indian Companies—597 ; Land and house property—526 ; Agents' balances, outstanding premiums, outstanding and accrued interests, etc.—834 ; Deposit, cash and stamps—8,47 ; Miscellaneous—1,03. *Total*—Rs. 75,87.

The bulk of the investments are in stock exchange securities which constitute about 70% of the total assets and amount to Rs. 47,28 lakhs after allowing for an investment fluctuation fund of Rs. 1,24 lakhs.

War & New Business. On the outbreak of the present war, the new business position in India was affected. But by the end of 1939, the position showed signs of improvement. After the collapse of France in June 1940, there was another shock, but the effect was temporary. Japan's declaration of war against Britain and U. S. A. is the third shock. It is however, pleasing to note that Indian Life Offices are standing the strain and have risen to the occasion by agreeing to offer free war risk insurance to civilian policy-holders in India arising out of extension of war to Indian soil. The major portion of the assets—about 70%—of Indian Life Offices are in Stock exchange securities and these have not undergone depreciation to any considerable extent. Since September 1942, new business in India seems to have survived all war shocks and during the first eight months of 1943, the total new business appears to be higher than during corresponding period in three previous years.

PROVIDENT INSURANCE SOCIETIES

There were, at the commencement of the Insurance Act 1938, 505 societies registered under the Provident Insurance Societies Act, 1912, mostly transacting dividing Insurance business. Very few of the above provident societies are survivors of those old provident societies which, prior to the passing of the Provident Societies Act 1912, numbered about 1,200. When that Act was passed, the majority of those old societies ceased to exist.

The Insurance Act, 1938, has a separate chapter dealing with Provident Insurance Societies. The main objects of the Sections dealing with Provident Societies are the regularisation of the working of these Societies and the elimination of mushroom Societies and provision for safe investment of the funds of these Societies.

BUDGETS 1943-44

The Central Government : India Budget for 1943-44 discloses a deficit of Rs. 94'66 crores for the current year 1942-43 and a prospective deficit of Rs. 60'28 crores in 1943-44 on the basis of existing taxation.

The revised estimate of Defence expenditure for the current year is placed at Rs. 189'75 crores, and in 1943-44 at Rs. 182'81 crores. New taxation proposals include a surcharge in Super tax on Slaes between Rs. 25,000 and 3½ lakhs by a uniform rate of half anna per rupee in corporation tax to two annas in the rupee further increase of postal and telephone rates, and an exise

duty on tobacco. The E. P. T. G. also to continue for another year. The current year's estimated deficit of Rs. 85 crores has grown to Rs. 95 crores, and the estimated expenditure of Rs. 260 crores for next year leaves a gap of Rs. 60 crores to be made up by additional taxation and borrowing. For the first time defence expenditure has been split into revenue and capital account and this technique has enabled the Finance Member to make a better show of the financial situation. Sterling balances have already helped India to liquidate within three years the debt incurred, over decades, and the Finance Member suggested the use of surplus sterling to provide for pensionary and other liabilities should find ready favour with the Legislature. Provincial Governments gain the record allotment of Rs. 12 crores 10 lakhs next year as their share of the pool of income-tax. Sir Jeremy's proposal for financing the food campaign is welcome, as is also his suggestion for a post-war reconstruction fund. A third of the deficit is to be covered by raising Rs. 7 crores from direct and Rs. 18 crores from indirect sources. EPT and incomes below Rs. 5,000 are unaffected, additional burden is imposed on business and high incomes by increase on the existing rates and by higher postal and telephone charges. Of the two new taxes, excise duty on tobacco was long overdue, but administrative difficulties have been an obstacle and the yield from it of Rs. 10½ crores will need the closest co-operation of provincial Governments. An Excise duty of Rs. 7 per cwt. on vegetable products—Vanaspati—taps a new source. (See Finances of the Government of India).

Railway Budget : The 1943-44 Budget forecasts a surplus of Rs. 86 28 crores (Rs. 8'20 crores more than last year and Rs. 8'33 crores more than the original estimate) and for 1943-44 a surplus of Rs. 86'04 crores. Increase in earnings had been almost continuous, though varying in extent practically from beginning of the year, except during periods affected by political disturbances and widespread sabotage, when a decrease occurred only in goods traffic. Traffic receipts for 1943-44 are estimated at the record figure of Rs. 150 crores and working expenses at Rs. 114 crores. Of the expected surplus Rs. 27'10 crores will go to the general revenues and Rs. 8'94 crores to the Railway Reserve, the end of the year will show a balance of Rs. 84 crores in the Depreciation Fund and Rs. 9½ crores in the Railway Reserve. This prosperity is not due only to war transport, although the running of 400 special troop trains every month and 15 million tons of military traffic did make a substantial contribution. More increase has occurred this year in coaching traffic than in goods. There has been overcrowding as restricted train services carried, space for space, 70% more passengers than in peace time and railways have transported only high rated traffic.

Madras : A revenue surplus of Rs. 10,05,000 is shown in the Budget Estimates for 1943-44 of the Madras Government, receipts amounting to Rs. 21,32,68,000 against expenditure of Rs. 21,22,58,000. There is no proposal for new taxes nor for floating loans, but the estimates envisage withdrawal of the usual revenue remissions for the coming year amounting to about Rs. 75,00,000. The year commences with an opening balance of Rs. 92,66,000 against a closing balance of Rs. 50,68,000. Transactions outside the Revenue Account show an excess of disbursements over receipts of Rs. 41,98,000.

Bombay : A revenue surplus of Rs. 46,000 is anticipated in the Bombay Government Budget for 1943-44. The estimated revenue receipts are Rs. 1,769,20 lakhs and revenue expenditure Rs. 1,768,74 lakhs.

The accounts for 1941-42 show that the year closed with a free cash balance of Rs. 291.49 lakhs. The closing balance in the Special Development Fund was Rs. 290.37 lakhs. The year 1942-43 is expected to show a revenue surplus of Rs. 59.07 lakhs and to close with a free balance of Rs. 341.39 lakhs. This is on the provisional basis of the 8 monthly revised estimates. Of the same basis, the closing balance of the special Development Fund is estimated to be Rs. 202.03 lakhs, after taking into account a transfer of Rs. 20 lakhs to that Fund during the course of the year.

Bengal : The Budget estimates disclose a deficit of Rs. 1 crore and 53 lakhs on Revenue Account. This is counterbalanced to some extent by the working of the Capital and Debt Deposit Section which is expected to result in a surplus of Rs. 86 lakhs. The net effect of the deficit on Revenue account and of the surplus outside it is to reduce the opening balance of Rs. 1 crore and 54 lakhs by Rs. 67 lakhs. Enhanced taxation was provided in the Budget estimates for the year 1943-44. The yield of the proposed enhanced taxation is estimated at Rs. 33 lakhs.

<i>Rs. 1000</i>		
<i>Receipts</i>	<i>Revised estimate 1942-43</i>	<i>Budget 1943-44</i>
Opening Balance	1,32,40	1,53,76
Revenue Receipts	15,67,53	16,01,37
Receipts from Debt Heads	28,43,98	26,62,42
	45,43,91	44,18,05
<i>Expenditure :</i>		
Revenue Expenditure	17,21,61	17,54,35
Capital Expenditure	80	29
Expenditure on Debt Heads	26,69,34	25,76,37
Closing Balance	1,53,76	86,54
	45,43,91	44,18,05
On Revenue Account	1,54,08	1,52,98

United Provinces : A revenue surplus of Rs. 8 lakhs is anticipated in the budget of the U. P. Government for 1943-44. The estimates of receipts and revenue expenditure for the year have been put at Rs. 2,026 and Rs. 2,018 lakhs. In the revised estimates for 1942-43 receipts have risen Rs. 1,712 lakhs to Rs. 2,011 lakhs and revenue expenditure from Rs. 1,708 lakhs to Rs. 2,000 lakhs leaving a surplus of Rs. 11 lakhs. Capital expenditure shows an increase of Rs. 62 lakhs. This is due to an outlay of over Rs. 73 lakhs on the Government's grain purchase and storage scheme. Under the debt and deposit heads there has been a deterioration of Rs. 110 lakhs.

Bihar : A surplus of Rs. 61 lakhs is estimated in the Bihar Government Budget for 1943-44.

The receipts for the years are estimated at Rs. 697 lakhs and the expenditure at Rs. 636 lakhs. The total revenue budgeted for 1942-43 was Rs. 603

lakhs against which the revised estimates are Rs. 721 lakhs. Against the total budgeted expenditure of Rs. 580 lakhs for the current year the revised estimates amount to Rs. 665 lakhs. The Government are to continue the prohibition basic education and the mass literacy schemes of the Congress Government.

The Punjab : A surplus of Rs. 6 lakhs in the current year on the basis of the revised estimates and a likely surplus of Rs. 50 lakhs in the coming year, was shown in the Punjab Budget estimates for 1943-44. The figures for the 2 years are :—1942-43, Revised Revenue—Rs. 15,77 lakhs; revised expenditure Rs. 15,71 lakhs; 1943-44—Revenue estimates Rs. 15,19 lakhs, expenditure Rs. 14,69 lakhs. Against this big increase in receipts, the Finance Minister said, "There was also a large expansion of revenue expenditure. They included provision during the year of an additional sum of Rs. 31 lakhs for police to strengthen the machinery for securing peace and order; expenditure on A. R. P. of Rs. 72,54,000, expenditure of about Rs. 50 lakhs for dearness allowance to Government employees drawing pay upto Rs. 100."

C. P. & Berar : The C. P. Budget for 1942-43 reveals a surplus of Rs. 7,04,000. The Revenue is estimated at Rs. 6,49,61,000 and expenditure on revenue account Rs. 6,82,57,000. A feature of the Budget is the creation of a fund called the post-war Reconstruction Fund, Rs. 10 lakhs being proposed to be carried to the new fund in the current year and an equal amount in the ensuing year. It is not proposed to impose any new taxes during the year but certain taxation measures due to expire in 1943-44 are to be extended by another year as in the previous three years.

Assam : The year 1943-44 will start with an estimated opening balance of Rs. 76,89,000. Receipts are estimated at Rs. 10,40,08,000 (Revenue Receipts Rs. 8,64,20,000 and Capital Receipts Rs. 6,75,88,000). The estimated expenditure is Rs. 10,73,18,000 (Revenue expenditure Rs. 3,72,29,000 and Capital expenditure Rs. 7,00,89,000) leaving a closing surplus balance of Rs. 43,29,000.

Orissa : A deficit of Rs. 3,81 lakhs in the Budget Estimates for 1943-44 was disclosed. According to the Budget estimates the total revenue is put at Rs. 2,12,21 lakhs against Rs. 2,18,92 lakhs in the revised estimate. Thus, there is a drop of Rs. 6,72 lakhs. The Province's share in income tax it would get Rs. 80,000 more than that provided in the revised Budget for 1942-43 and Rs. 1,20,000 more than that provided in the Budget for 1943-44. The deficit would thus be reduced to Rs. 1,31 lakhs. In the revised estimates for 1942-43 revenue is estimated at Rs. 218,92 lakhs and expenditure on revenue account at Rs. 2,25,65 lakhs. The years revenue deficit is therefore expected to be Rs. 6,73 lakhs. The balance in the Government account which was Rs. 21,18 lakhs at the beginning of the year was therefore, likely to fail by Rs. 6,73 lakhs at the close of the year. The year 1942-43 which opened with a cash balance of Rs. 26,19 lakhs. The Budget provides for expenditure on revenue account at Rs. 2,16,07 lakhs against Rs. 2,25,65 lakhs in the revised estimates for 1942-43.

N.-W. F. P. : The Budget Estimates of the N.-W. F. P. Government for 1943-44 show a deficit of Rs. 7,78,000 on Revenue Account. The total revenue for the year is estimated at Rs. 2,06,94,000 against which expenditure inclusive of new items is expected to amount to Rs. 2,14,67,000.

SPORTS

World Records

WALKING

1 mile. 6 min. 21 1-5 sec., P. Bernhardt (Latvia), 1936.

One hour. 8 miles 474 yds. 1 ft. 3 in., A. H. G. Pope (British), 1932.

20 miles. 2 hours 43 min. 38 sec., A. E. Plumb (British), 1932.

RUNNING

100 yds. 9 3-8 sec., J. Donaldson (Australia), 1910 (professional); 9 2-5 sec., F. Wykoff (U. S. A.), 1930. J. Owens (U. S. A.), 1936, (amateur).

220 yards. 20 3-10 sec., J. Owens (U. S. A.), 1935.

440 yards 46 2-5 sec., B. Eastman (U. S. A.), 1932.

One mile. 4 min. 6 4-5 sec., S. C. Wooderson (British), 1937.

Ten miles. 50 min. 15 sec. P. Nurmi (Finland), 1928.

Marathon. (26 miles 385 yds.): 2 hrs. 20 min. 19 2 sec., K. Son (Japan), 1936.

100 miles. 14 hrs. 22 min. 10 sec., A. Newton (S. Africa), 1928.

JUMPING

High Jump. 6 ft. 11 in., Les Steers (U. S. A.), 1941.

Long Jump. 27 ft. 2 75 in. J. Owens (U. S. A.), 1935.

CYCLING

440 yds. (standing start, unpaced): 28 sec., V. L. Johnson.

(Flying start, unpaced): 440 yds.,

W. J. Bailey, 24 4-5 sec.

(Flying start, paced): 440 yds.,

H. W. Payne, 24 2-5 sec.

Mile (Standing start, unpaced):

E. V. Mills, 2 min. 2 1-5 sec.

Mile (Unpaced): F. W. Southhall, 1 min. 59 4-5 sec.

Mile (Flying start, paced): H. W. Payne, 1 min. 39 2-5 sec.

MOTORING

One mile. 368 85 m. p. h., John Cobb (British). *24-Hour.* G. E. T. Eyston (British), 3,578 3 miles. *48-Hour.* 6,544 75 miles, G. E. T. Eyston (British).

MOTOR-CYCLING

One mile. 171 674 m. p. h., Ernst Henne (German). *One Hour.* 127 537 m. p. h., Tarruffi (Italian).

MOTOR-BOATS

Sir Malcolm Campbell (British), 141 74 m. p. h.

SWIMMING

100 yds. Freestyle. 51 sec., J. Weissmuller (U.S.A.), 1927.

440 yds. Freestyle. 4 min. 40 4-5 sec., J. Medica (U.S.A.), 1934.

880 yds. Freestyle. 10 min. 7 3-5 sec., R. Flanagan (U.S.A.), 1935.

One mile. Freestyle. 20 min. 57 4-5 sec., J. Medica (U. S. A.), 1934.

English Channel. Men: 11 hrs. 5 min., G. Michel (France), 1926. Women: 14 hrs. 30 min., Miss. G. Ederle (U.S.A.), 1926.

CRICKET

Highest Innings: 1,107 runs. Victoria v. New South Wales, 1926.

Individual Score: D. G. Bradman 1930, 452, not out.

1st Wicket Partnership: 555, Sutcliffe and Holmes. 1932.

WORLD FOOTBALL CHAMPION

1936 ... Italy

DAVIS CUP WINNERS

1939. Australia beat U.S.A. (3-2)

1938. U.S.A. beat Australia. (3-2)

Other Recent Winners of Davis Cup

1930. France beat U.S.A. 1931. France beat England, 1932. France

beat U. S. A. 1933. England beat France, 1934. England beat U. S. A. 1935. England beat U. S. A. 1936. England beat Australia. 1937. U. S. A. beat England.

F. A. CUP, ENGLAND

1938-39. Portsmouth.

1939-40. West Ham United.

Past Winners in recent years

1933-34. Manchester City. 1934-35. Sheffield. 1935-36. Arsenal. 1936-37. Sunderland. 1937-38. Preston North End.

WIGHTMAN CUP

(Tennis competition between women of England and America)

1939. America won by 5 matches to 2.

1938. America won by 5 matches to 2.

Past Winners of Wightman Cup.

1930. England. 1931-37. America.

TENNIS CHAMPIONS (WIMBLEDON)

MENS' SINGLES

1939. R. L. Riggs (U. S. A.)

1938. D. Budge (U. S. A.)

1937. D. Budge (U. S. A.)

1936. F. Perry (England)

MEN'S DOUBLES

1939. R. L. Riggs and Cooke (U. S. A.)

1938. D. Budge and G. Mako (U. S. A.)

Winners in recent past. 1934. G. M. Lott and L. R. Stoefer. 1935. J. H. Crawford and A. K. Quist. 1936. C. P. Hughes and C. R. D. Tuckey (England). 1937. D. Budge and G. Mako (U. S. A.)

WOMEN'S SINGLES

1939. Miss Alice Marble (U.S.A.)

1938. Mrs. Willis-Moody (U.S.A.)

1937. Miss Dorothy Round (England).

WOMEN'S DOUBLES

1939. Mrs. Fabyan and Miss Marble (U. S. A.)

1938. Mrs. Fabyan and Miss Marble (U. S. A.)

Past Winners in recent years.

1934. Miss Ryan and Mme. Mathieu.

1935. Miss K. E. Stammers and

Miss F. James. 1936. Miss K. E.

Stammers and Miss F. James. 1937.

Mme. Mathieu (Fr.) and Miss Yorke

(Eng.)

MIXED DOUBLES

1939. R. L. Riggs and Miss Marble (U. S. A.)

1938. D. Budge and Miss Alice Marble (U. S. A.)

Winners in recent years. 1934.

R. Miki and Miss D. E. Round.

1935. Fred Perry and Miss D. E.

Round. 1936. Fred Perry and Miss

Dorothy Round (England). 1937.

D. Buds and Miss Alice Marble (U. S. A.)

TABLE TENNIS

WORLD CHAMPIONS (SINGLES)

1939. R. Bergman (England).

1938. V. Barna (Hungary).

BOXING CHAMPIONS 1939 (PROFESSIONAL)

Fly-weight. Little Dado (Philippines). *Bantam-weight.* Sixto Escobar (Mexico). *Feather-weight.* Joey Archibald (U. S. A.). *Light-weight.* Lou Ambers (U. S. A.). *Welter-weight.* Henry Armstrong (U. S. A.). *Middle-weight.* Al Hostak (U. S. A.). *Light-heavy-weight.* Billy Conn (U. S. A.). *Heavy-weight.* Joe Louis (U. S. A.)

Heavy-Weight Champions in Recent Years

Jack Dempsey, (1919-26). Gene Tunney, (1926-29). Max Schmelling, (1930-32). Jack Sharkey, (1932-33). Primo Carnera, (1933-34). Max Baer, (1934-35). J. Braddock, (1935-37). Joe Louis, (1937-)

CHESS CHAMPIONS

Dr. Alexander Alekhine (Russian) 1937.

Dr. Max Euwe (Dutch) 1935-36.

Dr. Alexander Alekhine (Russian) 1927-35.

THE DERBY

1934. The Maharajah of Rajpipla's 'Windsor Lad'. 1935. H. H. Aga Khan's 'Bahram'. 1936. H. H. Aga Khan's 'Mahmoud'. 1937. Mrs. G. B. Miller's 'Mid-day Sun'. 1938. Hon. Peter Beatty's 'Bois Roussel'. 1939.

Lord Rosebery's 'Blue Peter'. 1940. Mr. F. Darling's 'Pont L'Eveque'.* 1941. Mrs. MacDonald Buchanan's Owen Tudor.

ST. LEGER

1934. Mr. Martin Benson's 'Windsor Lad'. 1935. H. H. Aga Khan's 'Bahram'. 1936. Mr. W. Woodward's 'Boswell'. 1937. Lord Glanely's 'Chumleigh'. 1938. Mr. J. V. Rank's 'Scottish Union'. 1939. Cancelled owing to War. 1940. H. H. Aga Khan's 'Turkhan'. 1941. Lord Portal's 'Sun Castle'.

Indian Sports

FOOTBALL

I. F. A. SHIELD (CALCUTTA)

1943. East Bengal (winners) vs. Calcutta Police (Runners-up).

1942. Mahomedan Sptg. (winners) vs East Bengal (Runners-up).

1941. Mahomedan Sptg. (winners) vs. K. O. S. B. (Runners-up).

1940. Aryans (winners) vs. Mohun Bagan (Runners-up).

PAST WINNERS OF THE I. F. A. SHIELD: 1893-94. Royal Irish. 1895. Royal Welsh Fusiliers. 1896. Calcutta F. C. 1897. Dalhousie A. C. 1898. Gloucester Reg. 1899. South Lancashire. 1900. Calcutta F. C. 1901. Royal Irish Rifles. 1902. 98rd Highlanders. 1903-4. Calcutta F. C. 1905. Dalhousie A. C. 1906. Calcutta F. C. 1907. Highland Light Infantry. 1908-10. Gordons. 1911. Mohun Bagan A. C. 1912-13. Royal Irish Rifles. 1914. King's Own Reg. 1915. Calcutta F. C. 1916. 2nd North Staffords. 1917. 16th Middlesex. 1918. Training Reserve Bn. No. 7. 1919. 1st. Bn. Brecknochshire (S. W. B). 1920. 1st. Bn. Black Watch (R. H.). 1921. 3rd. Bn. Worcestershire Regiment. 1922-24. Calcutta F. C. 1925. 2nd Bn. Royal Scots Fusiliers. 1926-28. 2nd

Bn. Sherwood Foresters. 1929. 2nd Bn. Royal Ulster Rifles. 1930. 2nd Bn. Scaforth Highlanders. 1931. 2nd Bn. Highland Light Infantry. 1932. 2nd Bn. Essex Regiment. 1933. 1st Battalion D. C. L. I. 1934. (Game abandoned). 1935. East Yorks. 1936. Mahomedan Sporting. 1937. 6th Field Brigade. 1938. East Yorks. 1939. Police.

CALCUTTA FOOTBALL LEAGUE

FIRST DIVISION

1943. Mohun Bagan A. C.

1942. East Bengal.

1940-41. Mahomedan Sporting.

1939. Mohun Bagan.

FOOTBALL LEAGUE CHAMPIONS IN RECENT PAST: 1930. 2nd Bn. the Loyal Regiment. 1931-33. Durham Light Infantry. 1934-38. Mahomedan Sporting.

DURAND TOURNAMENT

1941-42. No play.

1940. Mahomedan Sporting.

1939. No play.

WINNERS OF DURAND CUP IN RECENT PAST: 1931. Devonshire Regiment. 1932-33. King's Shropshires. 1934. "B" Corps Signals.

* The New Derby was run at Newmarket.

1935. 2n. Bn. Border Regiment. 1936
2nd Bn. The Argyll and Sutherland
Highlanders. 1937. 2nd Bn. Border
Regiment. 1938. South Wales
Porderers.

ROVERS CUP (BOMBAY)

1942. Bata Sports, Calcutta.
1941. Welch Regiment.
1940. Mahomedan Sporting.

WINNERS OF ROVERS CUP
(BOMBAY) IN RECENT PAST : 1931.
R. W. Kents. 1932. Royal Irish
Fusiliers. 1933. King's Liverpool
Regt. 1934. Sherwood Foresters.
1935-36. King's Liverpool Regt.
1937-38. Bangalore Muslims. 1939.
28th Field Brigade R. A.

HARWOOD FOOTBALL LEAGUE (BOMBAY)

1942. W. I. A. A., Staff.
1941. Y. M. C. A.
1939-40. Welch Regiment.
1938. Duke of Cornwall's South
Lancashire Regiment.

WINNERS OF HARWOOD FOOT-
BALL LEAGUE IN RECENT PAST :
1931. Ulsters Regt. 1932-34. Duke
of Wellington. 1935-36. Durhams
L. I. 1937. Cheshire Regiment.

CALCUTTA FOOTBALL

INDIANS vs. EUROPEANS

1943. Europeans.
1942. Indians.
1941. Indians.
1940. Indians.
1939. Indians drew with Euro-
peans.

PAST WINNERS OF CALCUTTA
FOOTBALL—INDIANS vs. EUROPE-
ANS : 1920. Europeans. 1921. Indians.
1922-23. Europeans. 1924-27. Indians.
1928. Europeans. 1929. Indians. 1930.
(No Match). 1931. Europeans. 1932-33
Indians. 1934-35 Europeans. 1936-37
Indians. 1938. Europeans.

CRICKET

TEST MATCHES

1932 (*In England*). England scored
295 and 275 for 8 declared. India 189
and 187. England won by 158 runs.

1933-34 (*Bombay*). England 438
and 40 for 1. India 219 and 258.
England won by 8 wickets.

1933-34 (*Calcutta*). England 403
and 7 for 2, India 247 and 237. Drawn.

1933-34 (*Madras*). England 385
and 261 for 7 declared. India 145 and
249. England won by 203 runs.

1936 (*In England*). England scored
184 and 108 for 1 ; India 147 and 93 ;
England won by 9 wickets (played at
Lord's). England 571 for 8 declared ;
India 203 and 390 for 5 ; drawn
(played at Manchester). England 471
for 8 declared and 64 for 1 wicket ;
India 222 and 312 ; England won by 9
wickets (played at Oval).

RANJI TROPHY

ALL-INDIA CHAMPIONSHIP

1941-42. Bombay beat Mysore.
1940-41. Maharashtra beat Mad-
ras by 6 wickets. Maharashtra 1st
innings 284, and 2nd innings 210 for 4
wickets. Madras 1st innings 145, 2nd
innings 347.

RECORDS. Highest Total : 798
runs by Maharashtra against Bombay
(1940-41).

Double centuries in Ranji Trophy
316 runs (not out) by Hazare (Maha-
rashtra) against Baroda in 1939-40.
246 runs by Prof. Deodhar (Maha-
rashtra) against Bombay, 1940-41. 222
runs by Capt. Wazir Ali (Southern
Punjab) against Bengal, 1938-39. 209
runs by Ramprakash (Northern India)
against Maharashtra, 1940-41. 203
runs by J. Nacomal (Sind) against
Nawanagar, 1938-39. 202 runs by
Rangnekar (Bombay) against Maha-
rashtra, 1940-41.

WINNERS IN RECENT PAST

1934-35. Bombay beat Northern India by 208 runs. 1935-36. Bombay beat Madras by 190 runs. 1936-37. Nawanagar beat Bengal by 256 runs. 1937-38. Hyderabad beat Nawanagar by one wicket. 1938-39. Bengal beat Southern Punjab by 178 runs. 1939-40. Maharashtra beat United Provinces by 10 wickets.

PENTANGULAR CRICKET
(BOMBAY)

1943. ...
1942. No play.
1941. Hindus.
1940. Mahomedans defeated the Rest; Hindus boycotted the game.

WINNERS IN RECENT PAST:
1937. Mahomedans defeated the Rest. Hindus boycotted the game.
1938. Mahomedans defeated the Hindus. 1939. Hindus defeated the Mahomedans.

QUADRANGULAR CRICKET
(BOMBAY)

1921. Europeans. 1922. Parsis. 1923. Hindus. 1924. Mahomedans. 1925. Hindus. 1926. Hindus. 1927. Europeans. 1928. Parsis. 1929. Hindus. 1930-33. Not played. 1934. Mahomedans. 1935. Mahomedans. 1936. Hindus.

ROHINTON-BARIA TROPHY

INTER-UNIVERSITY CHAMPIONSHIP

1940-41. Bombay. 1939-40. Bombay. 1938-39. Bombay. 1937-38. Punjab. 1936-37. Punjab. 1935-36. Punjab.

HOCKEY

BEIGHTON CUP

1942—Calcutta Rangers.
1941—Bhagwant Club, Tricumgarh, and Bhopal Wanderers drew.
1940. Bhopal Wanderers.

RECENT WINNERS OF BEIGHTON

CUP: 1931-32. Calcutta Customs. 1933. Jhansi Heroes. 1934. Rangers. 1935. Calcutta Customs. 1936. Bombay Customs. 1937. B. N. Ry. 1938. Calcutta Customs. 1939. B.N.Ry.

AGA KHAN CUP

1942. No play.
1941. Bhagwant Club, Tricumgarh.
1940. B. B. C. I. Ry.

RECENT WINNERS OF AGA KHAN CUP: 1934-36. Bombay Customs. 1937. Lahore Y. M. C. A. 1938. Bhagwant Club (Tricumgarh). 1939. Bhopal Wanderers.

CALCUTTA HOCKEY LEAGUE

1942. Port Commissioners.
1941. Calcutta Police.
1940. B. G. Press.

PAST CHAMPIONS: 1930-1933. Customs. 1934. Calcutta Rangers. 1935. Mohun Bagan. 1936-39. Customs.

BADMINTON

ALL-INDIA CHAMPIONSHIP

1942. *Men's Singles*: Prokash Nath (Punjab). *Men's doubles*: Prakash Nath & Ashokenath (Punjab). *Ladies Singles*: Miss Tara Deodhar (Poona). *Ladies Doubles*: Miss Tara and Miss Sundar Deodhar. (Poona)
1941. No play.

1940. *Men's Singles*. Chee Choong Keng (Penang) beat G. Patwardhan (Bombay). *Men's Doubles*. Mougwe and Mougwe (Bombay) beat Harnarain and Zahoor (Punjab). *Ladies' Singles*. Miss P. Goss (Bengal) beat Miss P. Cook (Bengal). *Ladies' Doubles*. Miss P. Cook and Miss Carckik (Bengal) beat Miss Anand and Miss Delima (Bombay). *Mixed Doubles*. V. A. Madgavkar and Miss P. Goss (Bengal) w. o. Harnarain Singh and Miss P. Cook.

Mixed Doubles : 1942. G. D. Patwardhan & Miss Tara Deodhar (Poona)
1941. No play.

Veterans' Doubles. 1941-42. No play.

MISCELLANEOUS

ALL-INDIA POLO CHAMPIONSHIP

1939-42. No tournament.
1981. Jodhpur. 1982-1988. Jaipur.

ALL-INDIA RUGBY TOURNAMENT

<i>Year</i>	<i>Played at</i>	<i>Won by</i>
1935	Madras	Ceylon Rugby Union.
1936	Bombay	Calcutta.
1937	Calcutta	Calcutta and the Duke of Wellington's Regiment drew.
1938	Madras	Ceylon Rugby Union.
1939	Not played.	

ALL-INDIA 30 MILES SWIMMING (World's Longest Swimming Race)

1925. G. Roy. 1926. G. Roy. 1927. J. C. Chatterjee. 1928. J. C. Chatterjee. 1929. N. C. Mallik. 1980. N. C. Mallik. 1981. S. K. Ghose. 1932. S. K. Ghose. 1933 (No Race). 1934. N. P. Dhanuka. 1935. R. Mukherjee (Benares), 5 hrs. 41 minutes. 1936. N. C. Mallik, 4 hrs. 39 minutes. 1937. Sk. Kubuth, 4 hrs. 55 mins. 5 secs.

VICEROY'S AIR RACE TROPHY

1932. Dr. Sproul (Gipsy Moth)
1933. Capt. Riley (Moth)
1936. Lt. Misrichand (Moth)
1937. P. D. Sharma
1938. H. I. Mathews (Bengal Flying Club)

(Since 1937, the race has been discontinued but the Cup is being given to the best Indian flier of the year).

ALL-INDIA AMATEUR BILLIARDS CHAMPIONS

1938. P. Deb ; 1939. P. Deb ; 1940. S. H. Lyth ; 1941. V. R. Freer.

ALL-INDIA PROFESSIONAL
BILLIARDS CHAMPION
1938-40. M. Hashim (Raja)

All-India Weight-Lifting

HEAVY-WEIGHT

1934. Amar Dutta (Bengal)
1935. Zaw Weik (Burma)
1936. Zaw Weik (Burma)
1937. Jnan Dutt (Bengal)
1938. N. A. Keirnander (Bengal)
1939. Md. Naqi (Punjab)

ENDURANCE CYCLING

Robin Chatterjee of Allahabad completed 74 hours and 3 minutes on 9-3-37 beating the previous record of 74 hours set up by Aburao Ganpat Rao Shivte of Madras.

RACING

KING-EMPEROR'S CUP

(Distance 1 mile)

1942. Mr. Stewart's Wansfell.
1940. Mr. G. N. Musry's 'Baqlava'.
1940. Mr. G. N. Musry's 'Baqlava'.
1939. Mr. G. N. Musry's 'Baqlava'.

PAST WINNERS OF KING-EMPEROR'S CUP : 1934. Mr. A. C. Ardeshir's 'Ethics.' 1935. Messrs. A. and A. G. Hoyt's 'Play On'. 1936. Nawabzada Yemin-ul-Mulk of Bhopal's 'Mas D'Antibes.' 1937. Messrs. N. D. and K. D. Bagree's 'Flying Glance.' 1938. H. H. The Maharaja Scindia of Gwalior's 'Finalist'.

THE VICEROY'S CUP

(1 $\frac{1}{2}$ miles)

1942. Maharaja Scindia of Gwalior's 'Finalist'.
1941. 'Finalist'.
1940. Mr. G. N. Musry's 'Baqlava'.
1939. Maharaja Scindia of Gwalior's 'Finalist'.

PAST WINNERS OF VICEROY'S CUP : 1934. Mr. A. C. Ardeshir's 'Ethics.' 1935-36. Nawabzada of Bhopal's 'Mas D'Antibes'. 1937. Mr. Edward Esmond's 'Fastnet.' 1938. Maharaja Scindia of Gwalior's Finalist.

ALL-INDIA BROADCASTING SYSTEM

<i>Station & Wave Band</i>	<i>Wavelength (Meters)</i>	<i>Frequency in Kc/s</i>	<i>Hours of Transmission</i>
Delhi (Medium wave)	338.6	886	7-30 to 10-7 a.m. ; 12 a.m. to 2 p. m. ; 5-30 to 11-30 p. m.
Delhi (Short wave)	41.15	7,290	7-30 to 10-30 a. m. ; 6-55 to 10 p. m. ; 11 p. m. to 12-30 a. m. ; 12 to 2 p. m. ; 5-30 to 6-45 p. m.
	60.48	4,960	7 to 11-30 p. m.
	19.62	15,290	10 a. m. to 2-30 p. m. ; 4 to 6-45 p. m.
	49.3	6,085	10 to 10-50 p. m.
	31.3	9,590	7-30 to 10-30 a. m. ; 11-30 to 2-30 p. m.
Calcutta (Medium wave)	384.6	780	7-25 to 9-30 a. m. ; 12-30 to 2-30 p. m. ; 5 to 10-30 p. m.
Calcutta (Short wave)	49.92	6,010	7-30 to 9-30 a. m.
	41.61	7,210	12-30 to 2-30 p. m. ; 5 to 6 p. m.
	61.98	4,840	6-15 to 10-30 p. m.
Dacca (Medium wave)	257.1	1,167	1 to 3 p. m. ; 5 to 10-30 p. m.
Bombay (Medium wave)	244	1,231	8 to 10-30 a. m. ; 11 a. m. to 2-30 p. m. ; 5 p. m. to 10-45 p. m.
Bombay (Short wave)	41.44	7,240	11 p. m. to 2-30 a. m. ; 5 to 7-15 a. m.
	61.48	4,880	7-30 to 10-45 p. m.
Madras (Medium wave)	211	1,420	7-30 to 9 a. m. ; 1 to 3-30 p. m. ; 4-30 to 10-30 p. m.
Madras (Short wave)	41.27	7,270	1 to 9-20 p. m.
	48.73	6,150	7-30 to 9 a.m. ; 9-30 to 10-30 p.m. ; 7-45 to 9 a. m. ; 1 to 1-45 p. m.
Lahore (Medium wave)	276	1,086	7-30 to 9-30 a. m. ; 12-30 to 1-40 p. m. ; 5-30 to 10-30 p. m.
Lucknow (Medium wave)	293.5	1,022	7-30 to 9-30 a. m. ; 12-30 to 1-40 p. m. ; 5-30 to 10-45 p. m.
Trichinopoly (Medium wave)	396	758	7-45 to 9 a. m. ; 1 to 2-30 p. m. ; 5 to 10-30 p. m.
Peshawar (Medium wave)	200	1,500	8 to 9-45 a. m. ; 12-30 to 2-30 p.m. ; 5-30 to 11-15 p. m.

, INDIAN NEWS BROADCASTS

English : 8-15 to 8-30 a. m. ; 1 to 10-5 a. m. ; 1-30 to 1-40 p. m. ; 6-30 to 6-40 p. m. ; 9-20 to 9-30 p.m. B. B. C. Relay—9-30 to 9-45 p.m.
 Bengali : 7-35 to 7-40 a. m. ; 2-10 to 2-15 p. m. ; 8-45 to 9 p. m.
 Gujarati : 9 to 9-10 a. m. ; 12-50 to 12-55 p. m. ; 7-55 to 8-5 p. m.
 Hindustani : 8-5 to 8-15 a. m. ; 12-55 to 1 p. m. ; 6-40 to 6-45 p. m. ; 9 to 9-20 p. m.
 Marathi : 8-50 to 9 a. m. ; 12-45 to 12-50 p. m. ; 7-45 to 7-55 p. m.
 Pushtu : 9-30 to 9-45 p.m. ; 2-15 to 2-30 p. m. ; 6-55 to 7-25 p. m.
 Tamil : 7-50 to 8 a. m. ; 2 to 2-5 p. m. ; 7-35 to 7-45 a. m.
 Telugu : 7-40 to 7-50 a. m. ; 2-1 to 2-10 p. m. ; 7-25 to 7-35.

INDIAN NATIONAL CONGRESS

Short History : The Indian National Congress is the largest political organization in India and is the one single body which can claim to take the role of a national political organization. Its membership is open to all communities, castes, and races, and its object is the attainment of *purna swaraj* by all peaceful and legitimate means. It is an all-India organization having its ramifications all over British India. Established in 1885 by the late Mr. Allan Octavian Hume, a retired member of the I. C. S., the Indian National Congress held its first session in Bombay in December 1885. The development of national consciousness in India, and the establishment of friendly relations with Great Britain and the attainment of self-government through the good offices of British administrators, these were the principal objects, for which the Indian National Congress strove for the first 85 years of its existence. In 1907 there was a rift in the Congress at Surat and the organization was split into two camps : the Extremists and the Moderates. It was in the year 1920, when Mahatma Gandhi came to take a leading part in Congress activities and policies, that a new orientation was introduced in the political outlook of the Indian National Congress. In the first place, the Congress was within an incredibly short time transformed into a mass organization from a bourgeois movement ; and secondly, the Congress outlived its character of a mere annual conference for passing pious resolutions. Since 1920, the Indian National Congress has defied the Government. The non-co-operation movement of 1920, and the civil disobedience movement of 1931 were not only authorized, but were fostered, directed and guided by the Indian National Congress. A resolution demanding the introduction of Dominion Status in India by the end of 1929 was passed at the 1928 session. But when the demand was not fulfilled by the British Government, the Congress resorted to civil disobedience in 1930. But the movement was suspended in 1931, when Mahatma Gandhi and Lord Irwin came to a truce and Mahatma Gandhi agreed to participate in the Round Table Conference in London as the sole representative of the Congress. The history of the National Congress for some 4 years following this is moribund, and dull, for after the failure of the Second Round Table Conference, the Government took comprehensive measures to suppress the organization. In 1934, the civil disobedience movement was officially withdrawn. Next year the Golden Jubilee of the Congress was celebrated.

The history of the Indian National Congress during the last two decades is the history of the struggle of the Indian people for complete independence. Signs are now evident of an unprecedented political awakening among the rural population of British as well as of Indian India, and also among the labourers in the industrial areas. In 1937, the Congress contested the elections to the Legislative Assemblies and Councils under the much wider franchise conferred by the Government of India Act of 1935 and gained overwhelming success in most of the provinces. After prolonged controversy, six provinces (Bihar, U. P., Bombay, C. P., Madras, and Orissa) saw Congress Cabinets, while in two others (Assam and North-West Frontier Province) Congress-Coalition Governments assumed power. During the first period of its life, provincial autonomy was a success. Prohibition was introduced. The Congress Ministers tried to reduce the burden of debt on the agricultural population and to reform education

and local self-government, and to give aid to the common people in various ways. On the whole, the Congress and the British Indian officials worked together in a friendly spirit. But in 1938, there was a crisis in U. P. and in Bihar, where the Premiers insisted on their right to order the wholesale release of all political prisoners; the Governors (and the Governor-General) objected, and the two Ministers resigned. There was very acute tension, but Lord Linlithgow issued a conciliatory reply and the Premiers withdrew their resignations. Another crisis occurred in Orissa where Mr. (now Sir) J. R. Dain was appointed to act as Governor during the period of leave of the then Governor, Sir John Hubback; it was actually the appointment of a subordinate official to a position of superiority over the Ministry; here also the Congressmen protested very vigorously and Mahatma Gandhi supported the Ministers who had threatened to resign. Sir John Hubback decided not to go on leave and the crisis passed off.

The year 1939 was not a favourable year for the Congress, for in that year Mr. Subhas Chandra Bose started the *Forward Bloc* Movement side by side the Congress. There was a rift between Mr. Bose and the Congress High Command. In the Congress Mr. Bose, who was re-elected in 1939 to be the Congress President, could not find a workable Cabinet for himself at the annual session of the Congress, at Tripuri. In March 1940, Mr. Bose held an anti-compromise conference at Ramgarh simultaneously with the annual session of the Indian National Congress.

The war came and early in September, Lord Linlithgow announced in the Central Legislative that in view of war preoccupations, the work in connexion with the preparations for Federation would be held in suspense. Mahatma Gandhi in a public statement declared that his sympathies were with England and France from purely humanitarian standpoint. The Congress Working Committee passed a resolution to the effect that India's support to Britain in war was conditional on a declaration by the Government of the United Kingdom that the latter's policy towards India involved the recognition of Indian independence. The Working Committee "have a deep-rooted quarrel with systems which deny freedom and are based on violence and aggression." The Working Committee looked forward to a victory of real democracy for all the people of all countries and a world free from the nightmare of violence and Imperialist oppression. Mahatmaji later appealed "to English statesmen that they will forget the old language of Imperialists and open a new chapter for those who have been held under Imperial bondage."

The All-India Congress Committee (at Wardha) passed a resolution which stated *inter alia*: "The Congress has been guided throughout by its objective of achieving the independence of the Indian people and the establishment of a free democratic State in India in which the rights and interests of all minorities are preserved and safeguarded." It was further added that the Congress had always looked upon war and violence with horror and as opposed to progress and civilization, and had declared itself opposed to all Imperialist wars and to the domination of one country over another. It was, therefore, according to the Committee, "regrettable that India had been declared a belligerent country without the consent of the Indian people and various far-reaching measures have been hurried through the legislatures." The A.-I. C. C. again invited (as the Working Committee had already done in September, 1939) the British Govern-

ment to state their war aims and peace aims and demanded that "India must be declared an independent nation and at present application must be given to this status to the largest possible extent." "The Committee desires to be declared afresh that Indian freedom must be based on democracy and unity and the full recognition and protection of the rights of all minorities to which the Congress has always pledged itself." The Viceroy, who had early in October held consultations with 52 persons (leaders of political opinion in British India and representatives of the Princely order), issued a lengthy statement in course of which he repeated the words of the Prime Minister of England declaring the general aims of the British Government to be : "laying the foundation of a better international system which will mean that war is not to be the inevitable lot of each succeeding generation....." Lord Linlithgow further quoted the Secretary of State's statement made on the 6th February, 1935 : "the natural issue of India's progress..... is the attainment of Dominion Status."

Mahatma Gandhi described this statement as profoundly disappointing ; the Working Committee declared that it could not possibly give any support to Great Britain and called upon the Congress Ministries to tender their resignations. The Congress Ministers tendered their resignations which were accepted in the first week of November and the Constitution was suspended in those provinces. The Governors concerned assumed the whole Governmental power. The Viceroy made repeated attempts during 1940 to reach a political understanding, but the negotiations failed.

Mahatma Gandhi issued a statement in course of which he again expressed the hope that Britain should accept the position that the time had come when India must be allowed to determine her own constitution and status ; with regard to the questions of defence, minorities, Princes, and European interests, he firmly maintained that once India's claim was recognised those issues would be automatically dissolved.

In the annual session of the Congress at Ramgarh (April 1940), it was declared that "nothing short of complete independence can be accepted by the people of India..and that no permanent solution is possible except through a Constituent Assembly. India's constitution must be based on independence, democracy and national unity.....The Congress seeks to represent and serve all classes and communities without distinction of race or religion, and the struggle for Indian independence is for the freedom of the whole nation. Hence the Congress cherishes the hope that all classes and communities will take part in it. The civil disobedience is to evoke the spirit of sacrifice in the whole nation." The Ramgarh Congress resolution was wholeheartedly accepted by the entire nation ; the various Congress organizations, now termed Satyagraha Committees, made all preparations for civil disobedience. Batches of *Satyagrahis* were daily sent out shouting anti-war slogans and courting arrest and imprisonment. Some of the greatest personalities in the land including Pandit Jawaharlal Nehru were now in jail.

Throughout 1941, the Congress appears to have been inactive and passive rather than assertive. The Civil Disobedience launched in 1940 had died out. Some of the leaders had no doubt offered Satyagraha after their release from the gaol, but the Government did not take any action against them. On July 21 '41, the expansion of the Viceroy's Executive Council and the formation of a National Defence Council for India were announced. The object of the move

was the securing of wider participation by Indian leaders in the administration of the Central Government and in India's War efforts. Mahatma Gandhi or the Congress did not find anything hopeful in these measures. "The announcement", the Mahatma said, "does not affect the stand taken by the Congress, nor does it meet the Congress demands." The Congress Working Committee which concluded its session at Bardoli on 30-12-41, passed a resolution relieving Mahatma Gandhi of his leadership of the Congress. The main reason why the Working Committee acceded to the Mahatma's desire for being relieved of Congress leadership was a fundamental difference over the interpretation of non-violence, which, according to the Mahatma, was as much applicable to the struggle between the Indian people and the present Government of India as to wars between nations. Congress position and attitude towards the War was clarified in the following resolution passed at the Bardoli session :

"Whereas there has been no change in the British policy towards India, the Working Committee must, nevertheless, take into consideration the new world situation that has arisen by the development of the war into a world conflict and its approaches to India."

"The sympathies of India must inevitably lie with the peoples who are the subjects of aggression and who are fighting for their freedom, but only a free and independent India can be in a position to undertake the defence of the country on a national basis and be of help in furtherance of the larger causes that are emerging from the storm of the war."

"The whole background in India is one of hostility and distrust of the British Government and not even the most far-reaching promises can alter this background, nor can a subject India offer voluntary or willing help to arrogant imperialism which is undistinguishable from Fascist authoritarianism. The Committee, therefore, is of the opinion that the resolution of the A. I. C. C. passed in Bombay on December 16, 1940 holds good to-day and defines the Congress policy still."

The Working Committee at a meeting held at Wardha on 14-1-42, decided not to hold the annual session of the Congress in 1942 in view of the "present situation".

When Sir Stafford Cripps came to India in March 1942 for effecting a constitutional settlement between Government and the leaders in India the representatives of the Congress were invited to meet him. Sir Stafford had a number of meetings with the Congress President, Mahatma Gandhi and some prominent Congress leaders. The Cripps Proposals for the grant of a political status equivalent to Dominion status and ensuring equality of status with the mother country raised high hopes in the country. But the condition in the proposals that during the war emergency period "His Majesty's Government must inevitably bear the responsibility for and retain the control and direction of the defence of India as part of their world war effort", could not be accepted by the Congress. Sir Stafford had no doubt qualified the above condition with the addition that "the task of organizing to the full, the military, moral and material resources of India must be the responsibility of the Government of India with the co-operation of the peoples of India". Sir Stafford had declared that he wanted his proposals to be accepted or rejected *in toto* and the Congress had no other alternative but to reject the Cripps offer, as it found itself unable to accept the Defence clauses in the proposals.

The following is the text of the Congress resolution on Sir Stafford Cripps' proposals :—

"The Congress Working Committee have given their full and earnest consideration to the proposals made by the British War Cabinet in regard to India and the elucidation thereof by Sir Stafford Cripps. These proposals, which have been made at the very last hour because of the compulsion of events, have to be considered not only in relation to India's demand for independence, but more especially in the present grave war crisis, with a view to meeting effectively the perils and dangers that confront India and envelop the world.

"The Congress has repeatedly stated, ever since the commencement of the war in September 1939, that the people of India would line themselves with the progressive forces of the world and assume full responsibility to face the new problems and shoulder the new burdens that had arisen and asked for the necessary conditions to enable them to do so to be created.

"An essential condition was the freedom of India, for only the realization of the present freedom could light the flame which would illumine millions of hearts and move them to action. At the last meeting of the All-India Congress Committee, after the commencement of the war in the Pacific, it was stated that 'only a free and independent India can be in a position to undertake the defence of the country on a national basis and be of help in the furtherance of the large causes that are emerging from the storm of war.'

"The British War Cabinet's new proposals relate principally to the future upon the cessation of hostilities. The Committee, while recognizing that self-determination for the people of India is accepted in principle in that uncertain future, regret that this is fettered and circumscribed, and certain provisions have been introduced which gravely imperil the development of a free and united nation and the establishment of a democratic State. Even the constitution-making body is so constituted that the people's right to self-determination is vitiated by the introduction of non-representative elements. The people of India have, as a whole, clearly demanded full independence and the Congress has repeatedly declared that no other status except that of independence for the whole of India could be agreed to, or could meet the essential requirements of the present situation.

"The Committee recognize that future independence may be implicit in the proposals, but the accompanying provisions and restrictions are such that real freedom may well become an illusion. The complete ignoring of the 90 millions of the people of the Indian States and their treatment as commodities at the disposal of their Rulers is a negation of both Democracy and self-determination.

"While the representation of an Indian State in the Constitution-making body is fixed on a population basis, the people of the State have no voice in choosing those representatives, nor are they to be consulted at any stage, while decisions vitally affecting them are being taken. Such States may, in many ways, become barriers to the growth of Indian freedom, enclaves where foreign authority still prevails, and where the possibility of maintaining foreign armed forces has been stated to be a likely contingency, and a perpetual menace to the freedom of the people of the States as well as of the rest of India.

"The acceptance beforehand of the novel principle of non-accession for a province is also a severe blow to the conception of Indian unity and an apple of discord likely to generate growing trouble on the provinces, and which may well lead to further difficulties in the way of the Indian States merging themselves in the Indian Union.

"The Congress has been wedded to Indian freedom and unity and any break in that unity, especially in the modern world when people's minds inevitably think in terms of ever larger federations, would be injurious to all concerned and exceedingly painful to contemplate. Nevertheless the Committee cannot think in terms of compelling the people in any territorial unit to remain in an Indian Union against their declared and established will.

"While recognizing this principle, the Committee feel that every effort should be made to create conditions which would help the different units in developing a common and co-operative national life. The acceptance of the principle inevitably involves that no changes should be made which result in fresh problems being created and compulsion being exercised on other substantial groups within that area. Each territorial unit should have the fullest possible autonomy within the Union, consistently with a strong national State.

"The proposal now made on the part of the British War Cabinet encourages and will lead to attempts at separation at the very inception of a union and thus create friction just when the utmost co-operation and goodwill are most needed.....

"Any proposal concerning the future of India must demand attention and scrutiny, but in to-day's grave crisis, it is the present that counts, and even proposals for the future are important in so far as they affect the present.

...

...

...

...

"For the present the British War Cabinet's proposals are vague and altogether incomplete, and it would appear that no vital changes in the present structure are contemplated.

"It has been made clear that the defence of India will in any event remain under British control. At any time defence is a vital subject; during wartime it is all important and covers almost every sphere of life and administration. To take away defence from the sphere of responsibility at this stage is to reduce that responsibility to a farce and a nullity and to make it perfectly clear that India is not going to be free in any way and her Government is not going to function as a free and independent Government during the pendency of the war.

"The Committee would repeat that an essential and fundamental prerequisite for the assumption of responsibility by the Indian people in the present is their realization as a fact that they are free and are in charge of maintaining and defending their freedom. What is most wanted is the enthusiastic response of the people which cannot be evoked without the fullest trust in them and the devolution of responsibility on them in the matter of defence.....

"It is manifest that the present Government of India, as well as its provincial agencies, are lacking in competence, and are incapable of shouldering the burden of India's defence. It is only the people of India, through their popular representatives, who may shoulder this burden worthily.

But that can only be done by present freedom and full responsibility being cast upon them. The Committee, therefore, is unable to accept the proposals put forward on behalf of the British War Cabinet."

The resignation of Mr. Rajagopalachariar from the Working Committee of the Congress is an important event in Congress history for 1941-42. Mr. Rajagopalachariar was of the opinion that rapprochement should be effected with the Moslem League even at the cost of accepting the *Pakistan* scheme with a view to forming a national or coalition Government in India. Rajaji could not convert the Working Committee to his views and thought fit to resign. In February 1942, Khan Abdul Ghaffar Khan, the "Frontier Gandhi" also resigned from the Working Committee of the Congress because of his firm stand with regard to the question of non-violence.

The failure of the Cripps' Mission or rather the abrupt breakdown in the Cripps-Congress negotiations left a trail of controversies regarding the cause of, and responsibilities for the failure. The British Press at home—a few of them regretted the breakdown—laid the whole blame on the door of the Congress. Sir Stafford himself on his return home is stated to have expressed himself to the effect that his proposals, though first accepted by the Congress, were finally rejected on the advice of Mr. Gandhi. In an article by Mr. Louis Fischer, an American journalist, contributed to the *New York Nation*, the cause of the abrupt termination of Cripps' Mission was Sir Stafford's being pulled up by his chief Mr. Churchill as he (Cripps) had, in his offers to, and his negotiations with, the Congress gone beyond the terms of his mission as originally given him. This suggestion has no doubt been refuted by Sir Stafford himself and by a large number of British statesmen and publicists. Whatever the causes, the breakdown can only be regretted, as Sir Stafford in his proposals, had gone much beyond whatever had been proposed or promised before by any British Statesman of any authority at any time during the entire British rule in India.

Nationally-minded India, however, did not mind the breakdown as most of them seemed to take Gandhiji's view that the Cripps offer was a "post-dated blank cheque."

The Congress High Command, however, did not sink into passivity or inactivity. Talks of Congress action were in the air. On July 14, 1942, the Working Committee at its meeting at Wardha, formulated the rather novel demand that the British should withdraw from India for intensifying the spirit of resistance in India to all aggression and for increasing India's war efforts, making it clear at the same time that if the Congress advice for honourable withdrawal were not accepted by the British, the Congress would reluctantly be compelled to resort to mass Civil Disobedience on non-violent lines for the vindication of India's political rights and liberties of the people. The A. I. C. C. duly considered and confirmed the withdrawal resolution on 8th August 1942. The main points of the famous resolution are :—1. Immediate ending of British rule in India was urgently necessary both for "the sake of India and for the success of the cause of the United Nations" as the continuation of that rule is degrading and enfeebling India and making her progressively less capable of defending herself and contributing to the cause of world-freedom. 2. A free India would assure success in a struggle against—"the aggression of Nazism, Fascism and Imperialism." 3. On the proposed declaration of India's independence, as a sequel to Britain's non-compliance with the "withdrawal" demand, a provisional

Government would be formed in India and Free India would become an ally of the United Nations, and share with them the trials and tribulations of the "joint enterprise of the struggle for freedom." 4. The Provisional Government would, in due course, evolve a constituent Assembly for preparing a constitution acceptable to all sections of the people. 5. The Congress had no intention of gaining power for itself. "The power, when it comes, will belong to the whole people of India." 6. The Committee requested Gandhiji "to take the lead and guide the nation in the steps to be taken,"—i.e. in the Mass Civil Disobedience to be launched. It must be mentioned in fairness to Gandhiji and the Congress that Gandhiji had openly declared that he would before launching the movement interview the Viceroy with a view to avoiding a struggle and also address the heads of the other States among the United nations.

The interview did not take place. The Government did not wait for the interview ; but simultaneously with the passing of the Resolution, Gandhiji and other members of the Working Committee were arrested and imprisoned. The Congress and other affiliated bodies were declared illegal. In a resolution, dated 8-8-1942, the Governor-General in Council, sought to justify this action as he had been aware "for some days past of dangerous preparations by the Congress Party for unlawful and in some cases violent activities." Thousands of other Congressmen were arrested all over India.

The arrest of Gandhiji and other Congress leaders had an instantaneous reaction all over India. Mass demonstrations and angry outbursts of mass fury took place all over India. Transports and communications were interfered with and Government properties were destroyed and damaged. The Government took the challenge in right earnest and firing and bastinading were very widely resorted to by the preserver of peace and security. Between non-violence on one hand and Government's determination to preserve law and order, on the other a veritable state of terror prevailed for some weeks during August-September 1942. (Read Gandhiji's Fast in India in 1942-43.)

WORKING COMMITTEE OF THE CONGRESS : *President*, Maulana Abul Kalam Azad ; *General Secretary*, Mr. J. B. Kripalani.

INDIAN NATIONAL CONGRESS : PAST PRESIDENTS

Bombay (1885)	W. C. Bonnerji	Lahore (1900)	N. G. Chandravarkar
Calcutta (1886)	Dadabhai Naoroji	Calcutta (1901)	D. Wacha
Madras (1887)	Badruddin Tyabji	Ahmedabad (1902)	S. N. Banerji
Allahabad (1888)	G. Yule	Madras (1903)	Lal Mohan Ghose
Bombay (1889)	Sir W. Wedderburn	Bombay (1904)	Sir Henry Cotton
Calcutta (1890)	Sir P. Mehta	Benares (1905)	G. K. Gokhale
Nagpur (1891)	P. Ananda Charlu	Calcutta (1906)	Dadabhai Naoroji
Allahabad (1892)	W. C. Bonnerij	Surat (1907)	Rash Behari Ghose
Lahore (1893)	Dababhai Naoroji	Madras (1908)	Rash Behari Ghose
Madras (1894)	A. Webb	Lahore (1909)	Pt. M. M. Malaviya
Poona (1895)	S. N. Banerji	Allahabad (1910)	Sir W. Wedderburn
Calcutta (1896)	R. M. Siyani	Calcutta (1911)	Bishen N. Dar
Amraoti (1897)	C. Sankaran Nair	Patna (1912)	R. N. Mudholkar
Madras (1898)	A. M. Bose	Karachi (1913)	Nawab Saiyed
Lucknow (1899)	R. C. Dutt		Mohammad

INDIAN NATIONAL CONGRESS : PAST PRESIDENTS—*contd.*

Madras (1914)	Bhupendra Nath Basu	Belgaum (1924)	M. K. Gandhi
Bombay (1915)	S. P. Sinha	Cawnpur (1925)	Mrs. Sarojini Naidu
Lucknow (1916)	A. C. Majumdar	Gauhati (1926)	Srinivasa Iyengar
Calcutta (1917)	Annie Besant	Madras (1927)	Dr. M. A. Ansari
Delhi (1918)	Hassan Imam	Calcutta (1928)	Pt. Motilal Nehru
Bombay		Lahore (1929)	Pt. Jawaharlal Nehru
(special 1918)	Pt. M. M. Malaviya	Karacai (1931)	Vallabhbhai Patel
Amritsar (1919)	Pt. Moti Lal Nehru	Delhi (1932)	Seth Ranchodlal
Nagpur		Calcutta (1933)	Pt. M. M. Malaviya
(1920)	C. Vijayaraghavachariar	Bombay (1934)	Rajendra Prasad
Calcutta		Lucknow (1935)	Pt. Jawaharlal Nehru
(special 1920)	Lala Lajpat Rai	Faizpur (1936)	Pt. Jawaharlal Nehru
Ahmedabad		Haripur (1937)	Subhas Chandra Bose
(1921)	Hakim Ajmal Khan	Tripuri (1939)	Subhas Chandra Bose
Gaya (1922)	C. R. Das		(resigned, afterwards Dr.
Cocanada (1923)	Mohammed Ali		Rajendra Prasad)
Delhi		Ramgarh	
(special 1923)	Abul Kalam Azad	(1940)	Maulana Abul Kalam Azad

THE MOSLEM LEAGUE

The Moslem League, the largest Moslem political organization in India, has, during the last few years, gained in popularity and strength. In many respects it may be said to be a rival organization to the Indian National Congress, though in fact its real rival is, and ought to be, the Hindu Mahasabha. Up till April 1941, the attainment of independence for India was the principal object of the League. Established in 1906, the League always sought to maintain its existence as a separate political body. Several attempts were made to induce it to co-operate with the nationalist movements and organizations, but they all failed. During the elections to the provincial legislatures under the Government of India Act of 1935, the Moslem League candidates received considerable support. But except in a very few provinces, Congress Ministries were formed all over the country and they included some Moslem Ministers: the League, as the Opposition in these Legislatures, repeatedly alleged that the Moslem minorities were not treated well in the Congress provinces. The Moslem leaders published many statements and tried to prove that the Congress Governments did not adequately look after the interests of the Moslem community, whereas these Governments retorted that they were more than just and generous to the Moslems.

The League exercised considerable influence on the new Ministries in the Punjab, Bengal, Assam and Sind. At the Lucknow session, held in the autumn of 1937, the League declared that its creed was the establishment in India of full independence in the form of a federation of free democratic States in which the rights and interests of the Moslems and other minorities are adequately and effectively safeguarded in the constitution. The League also opposed the Federation scheme and urged upon the British Government to refrain from its enforcement "as it considers the scheme to be detrimental to the interest of the people of India generally and to those of Moslems in particular."

After the outbreak of the war in 1939, the Working Committee of the League stated that if "full, effective and honourable co-operation of the Mussalmans were desired by the British Government in the grave crisis which is facing the world to-day and if it is desired to bring it to a successful termination, it must create a sense of security and satisfaction among the Mussalmans and take into their confidence the Moslem League, which is the only organization that can speak on behalf of Moslem India." The League did not oppose the idea of India's participation in the war; it merely insisted that its claims must be satisfied before it could make up its mind on this point. In September, 1939, the Working Committee of the League resolved that provincial autonomy "has resulted wholly in a permanent communal majority and domination by the Hindus over the Moslem minorities, whose life and liberty, property and honour are in danger, and even their religious rights and culture are being assailed and annihilated every day under Congress Governments in various provinces. That while Moslem India stands against exploitation of the people of India and has repeatedly declared in favour of a free India, it is equally opposed to domination by the Hindu majority over the Mussalmans and other minorities, and is irrevocably opposed to any federal objective which must necessarily result in a majority community rule under the guise of democracy and parliamentary system of Government." The League's campaign against the Congress continually increased in bitterness and the Congress came to be looked upon by the League as an exclusive organization of the Hindus.

With regard to the Viceroy's offer in 1940 of Dominion Status after the War the League leaders urged that the position of their community must be safeguarded in any future constitutional settlement. Throughout the subsequent period, the League leaders continued very strongly to oppose the idea of regarding India as one nation: "Mussalmans are a nation according to any definition of a nation, and they must have their home-lands, their territory and their State"; India must be divided up into two regions, one for the Hindus and the other for the Mussalmans, for such divergent nationalities could not be transformed into one nation.

The Lahore resolution stated: "no constitutional plan would be workable in this country or acceptable to the Moslems unless it is designed on the following basic principle, viz., that geographically contiguous units are demarcated into regions which should be so constituted with such territorial readjustments as may be necessary that the areas in which the Moslems are numerically in a majority, as in the north-western and eastern zones of India, should be grouped to constitute independent States in which the constituent units shall be autonomous and sovereign." This is the Pakistan scheme and it has been very vigorously supported by some persons of influence in some parts of the country. Maulana Abul Kalam Azad in his presidential address at the Ramgarh (1940) session of the Congress, declared: "I am a Moslem and proud of that fact. Islam's splendid traditions of thirteen hundred years are my inheritance. It is my duty to protect them.....I am proud of being an Indian, I am part of the indivisible unity that is Indian nationality." But the Moslem League leaders, it seems, would not accept such a point of view.

The League, in its annual session held in Madras in April 1941, passed an amendment to its constitution making *Pakistan* its goal instead of independence. The Amendment sets forth, as the aims and objects of the League, the following:

(a) The establishment of completely independent states formed by demarcating geographically contiguous units into regions which shall be so constituted with such territorial readjustments as may be necessary, that the areas in which the Moslems are numerically in a majority as in the north-western and north-eastern zones of India shall be grouped together to constitute independent states as free national Moslem Homelands in which the constituent units shall be autonomous and sovereign". (b) Adequate provision will, however, be made in the above-mentioned units for the protection of the minorities. (c) In other parts of India where the Moslems are in a minority, adequate, effective and mandatory safeguards shall be provided in the constitution for them and other minorities.

A Committee was appointed at the annual session for a Five-year plan for the social, economic, educational and political advancement of the Moslems and a resolution was passed for forming Moslem National Guards. According to a news item published on 3-5-'42, Sir Tej Bahadur Sapru failed in his attempts to bring about a meeting between Mahatma Gandhi and Mr. Jinnah as the latter insisted on meeting Gandhiji as a Hindu representing the Hindu community to which Gandhiji did not agree.

After the expansion of the Viceroy's Council and the creation of the National Defence Council, Mr. Jinnah, the leader of the League deplored that the Moslem League premiers had accepted office without the knowledge and sanction of the Leader of the League Executive and that the conduct of such premiers "will be considered and dealt with as soon as possible", and the Moslem League decided to take disciplinary action against Sir Sultan Ahmed who had entered the Viceroy's expanded Council, and Sir Mohammad Saadulla, Mr. A. K. Fazlul Huq, the Nawab of Chhatari, Begum Shah Nawaz and Sir Sikandar Hyat Khan for their having joined the Defence Council without the sanction of the Moslem League. It was reported on 26-8-41, that Sir Sikandar Hyat Khan and Sir Mohammad Saadulla had decided to resign from the Defence Council and on 30-8-41, the resignation of the Nawab of Chhatari from the Defence Council was announced. But Mr. A. K. Fazlul Huq, Premier of Bengal protested against Mr. Jinnah's decision for disciplinary action which had been taken without giving Mr. Huq a chance to vindicate himself. The Working Committee of the League meeting in Bombay on 25th and 26th August 1941 called upon Sir Sultan Ahmed, the Nawab of Chhatari, and Begum Shah Nawaz to resign within 10 days failing which disciplinary action would be taken against them. Mr. A. K. Fazlul Huq, it was announced on the 10th September 1941, resigned from the Defence Council at the League's demand and also from the Working Committee and the Council of the All-India Moslem League as a protest against the high-handedness, arbitrary use of power and dictatorial conduct of Mr. Jinnah. Begum Shah Nawaz declared that she was not going to resign from the Defence Council where she had entered not as a Moslem Leaguer but as the representative of the women of India. On the very same day appeared the news that Sir Sultan Ahmed and Begum Shah Nawaz had been expelled from the Moslem League, and that they had been debarred from becoming members of the League for a period of 5 years. After the formation of the Progressive Coalition Party in Bengal Assembly, Mr. Jinnah expelled Mr. Huq from the Moslem League and ordered that he would not be eligible for membership of the League. In recent past signs have made themselves manifest that the Moslem League is not the only body which can claim to be the sole organ of Moslem India. By the beginning of February

1942 Shaikh Mohammad Zahiruddin, President and Mr. Abdul Quaiyum, Vice-President of the All-India Momin Conference cabled to Mr. Churchill, Mr. Amery and Sir Stafford Cripps, "The All-India Momin Conference representing over 45,000,000 Moslems of Momin Community repudiates Mr. Jinnah's leadership as also the Moslem League's claim to possess the sole right to speak on behalf of the Indian Moslems and supports the demand for immediate recognition of India's freedom. Further, the Conference demands separate representation of the Momins in the Governments likely to be formed at the centre as well as in the Provinces." The All-India Azad Moslem Conference which met in New Delhi on 1-3-42, also repudiated the claim of the Moslem League to be the sole authoritative body of the Indian Moslems and called upon the British Government to immediately recognize India's freedom and transfer real power to enable the representatives of the people to assume complete responsibility for the defence of the country as a whole in full and mutual collaboration with other free countries."

On Sir Stafford Cripps' arrival in India Mr. Jinnah declared at the Annual General meeting of the All-India Moslem League at Allahabad: "One thing I want to announce in clear words. Rest assured that our aim is *Pakistan*, and whatever the proposals of His Majesty's Government may be, if they are such that we cannot achieve *Pakistan*, we will never accept."

The Working Committee of the All-India Moslem League meeting at New Delhi on 11.4.42, declared that the British War Cabinet's proposals for India were not acceptable in their present form. While expressing gratification that the principle of *Pakistan* had been recognized by implication, the Committee regretted that the proposals embodying the fundamentals were not open to any modification and were, therefore, not acceptable to the Committee. Referring to the right of non-accession to the Union given to the constituent bodies the Committee criticized the procedure laid down in the draft proposals and demanded a "clear and precise pronouncement", on a vital question "relating to their future destiny". Referring to the proposed *interim* arrangements, the League's resolution pointed out that there was "no definite proposal", and that the British Government had merely invited Indian leaders to participate in the counsels of the country.

Shortly before their arrest in August 1942, Maulana Abul Kalam Azad and Gandhiji made requests to the League for forming or taking a lead in forming a National Government at the centre. It is not known if the League gave or intended to give any reply to the request. Regarding the withdrawal resolution and the August troubles the Working Committee of the League appeared to find fault with the Congress. In a resolution released on 21st August 1942, the Working Committee of the League characterised the Congress decision to launch civil disobedience as an "open rebellion" and as an act of coercion on the part of the Congress for forcing the Government to hand over power to a "Hindu oligarchy" and to force the Moslems to "submit and surrender to the Congress terms of dictation." The Resolution also invited the Government to pledge to the Moslems the right of self-determination. The resolution, however, made it clear that the League was ready to consider any proposals and "negotiate with any party on a footing of equality for setting up a provisional Government" with a view to mobilizing the resources of the country for defence of India and for successful prosecution of the war on the basis that the Moslems would have the right to self-determination. Mr. Rajagopalachari's move for bringing about a settlement between the

Congress and the League was nipped in the bud on the Viceroy's refusing permission for Rajaji's interviewing Gandhiji over the question. Mr. Jinnah later asserted that if Mahatmaji had a mind to write to him (Mr. Jinnah) on the matter, nobody could dare to stop such a letter. And Gandhiji actually wrote a letter to Mr. Jinnah which the Government dared to intercede. (Read "India in 1942-48".)

THE HINDU MAHASABHA

The Hindu Mahasabha, which has existed for well over two decades, has gained momentum only in recent times, and that as a counterpoise to the Moslem League. According to the Mahasabha definition, a Hindu is one who considers the land of *Bharatvarsha* as his fatherland and as holyland, or, in other words, professes any religion of Indian origin. The Budhists, Sikhs, Jains, etc. are thus included in the Hindu category. The aim of the Mahasabha is the protection and promotion of everything that contributes to the advancement, strength and glory of Hindu race, culture and polity. As a means to that end, the Mahasabha aims at complete political independence for *Hindusthan* by all proper and legitimate means. The 1939 session of the Mahasabha, however, while reaffirming complete independence as the goal, urged that "a constitution based on Dominion status as defined in the Statute of Westminster be conferred immediately on India." The objects of the Mahasabha are : organization and consolidation of Hindu interests ; removal of untouchability and improvement in the condition of the 'depressed' classes ; revival and promotion of ideals of Hindu womanhood ; cow-protection ; promotion of martial spirit and improvement in the physique of the Hindus ; reclamation of those who left the Hindu fold and welcoming others in the Hindu fold ; foundation of orphanages and rescue homes ; promotion of religious, educational, social, economic and political rights and interests of Hindus ; promotion of good feelings between Hindus and non-Hindus.

The 22nd annual session of the Mahasabha was held at Madura during the last week of December, 1940, under the Presidency of Mr. Vinayak Damodar Savarkar, who in his address recommended an eight-fold programme. It aimed at securing entry for as many Hindu recruits as possible into the army, navy and the air forces ; utilizing all facilities that are being thrown open to get Hindus trained as army mechanics and in the manufacture of up-to-date war materials ; making military training compulsory in colleges and high schools ; intensifying the organization of the *Ram Sena* ; joining the Civic Guard movement with a view to defending India against foreign invasion or internal anarchy ; starting industries on a large scale to capture the market where foreign competition is found eliminated ; boycotting of foreign articles to defeat the entry of new foreign competitors and setting up an all-India movement to secure the correct registration in the present census of the popular strength of the Hindus, including tribal Hindus, such as, Sonthals, Gonds, Bhils, etc.... The plenary session of the Mahasabha adopted the above eight-fold programme by a resolution moved from the chair. The main resolution at Madura session, passed by an overwhelming majority, dealt with the Viceroy's offer of Dominion Status after the War. While re-iterating its faith in the goal of complete independence, the Hindu Mahasabha expressed its preparedness to accept dominion status of the Westminster type as an imme-

mediate step. The Mahasabha urged the Government to make an immediate and clear declaration that Dominion status as contemplated in the Statute of Westminster shall be conferred on India within a year of the termination of the war, and the constitution shall be so framed as to ensure the integrity and indivisibility of India as a state and nation, and while providing legitimate safeguards for the protection of rights and interests of the minorities, it shall not in any manner adversely affect the rights and interest of the majority in the country." "In case the Government fails to make a satisfactory response to the demands embodied in the resolution before March 31, 1941, the Mahasabha will start a movement of direct action," and appointed a Committee "for devising ways and means for starting and conducting the same immediately after the lapse of the said period".

In his correspondence with the Viceroy as reported on 1-4-'41, Mr. V. D. Savarkar made three demands on behalf of the Hindu Mahasabha, namely, that, (1) Dominion status must be granted within a year of the termination of the war. (2) The future constitution should maintain the indivisibility of the Indian nation; and (3) The Governor should protect the Hindu minority in the Moslem majority provinces. The Viceroy gave an assurance on the first point, and as for the 2nd and 3rd points His Excellency opined that conflicting interests were to be reconciled.

The All-India Committee of the Hindu Mahasabha which met in Calcutta on 14th June, 1941, under the presidentship of Mr. V. D. Savarkar resolved as follows: (a) The question of launching the campaign of "direct action" on an All-India issue and scale be postponed for the present. (b) The campaign of the Pakistan riots already set on foot by the Moslem makes it imperative that the Hindus throughout India should organize themselves on a national scale and should be prepared in every locality to protect the Hindu rights and resist the danger facing Hindusthan.

The Committee decided on—(1) The creation of Hindu solidarity and consolidation of all classes of Hindus by adopting a social programme which will remove all artificial barriers and will rouse spontaneous Pan-Hindu consciousness among them. (2) "Effective organization of the volunteer..... to be recruited from all classes of Hindus for defence of Hindu rights all over Hindusthan." (3) "Effective economic relief to the Hindus by "Buy Hindu" campaign and support Hindu concerns and industries."

After the announcement of the expansion of the Viceroy's Executive Council and the creation of National Defence Council Mr. V. D. Savarkar, President of the Mahasabha, welcomed the announcement and sent messages to the Viceroy and the Commander-in-Chief, expressing the Mahasabha's satisfaction.

A Bihar Government *Press communiqué* dated 26-9-41, stated that the Bihar Government had decided, under Defence of India Rules, to prohibit the holding of the All-India Conference of the Hindu Mahasabha in the districts of Bhagalpur, Monghyr, Patna, Gaya, Shahabad, Muzaffarpur and Darbhanga between December 1941 and January 10, 1942. The Working Committee of the Mahasabha in a meeting held at Delhi on 11-10-'41, declared as irrevocable its decision to hold the next annual session of the Mahasabha at Bhagalpur during the Christmas holidays inspite of the ban of the Bihar Government.

In accordance with the above decision arrangements were being made for holding the annual session of the Mahasabha at Bhagalpur. Mr. Asutosh-

Labiri, General Secretary of the Mahasabha and Mr. V. V. Deshpande were arrested on 23-12-1941, at Colgong on their way to Bhagalpur. Mr. V. D. Savarkar, Dr. B. S. Moonje, Bhai Parmanand, Dr. V. Naidu, Mr. N. C. Chatterjee were all arrested on their way to Bhagalpur. Dr. Shyama Prasad Mukherjee, Working President of the All-India Hindu Mahasabha was served with an externment order by the Government of Bihar and was detained at Colgong. The annual session was, however, held in Debiprasad Dharmasala under the presidentship of Lala Narayan Dutt and the session was formally closed on 27-12-1941.

Sir Stafford Cripps, when he came to India with his constitutional proposals, had interview with leaders of the Mahasabha. But when the proposals were published the Working Committee in a Memorandum stated :

"There are several points in the Cripps declaration which are more or less satisfactory, but according to the statement unfortunately made by Sir Stafford Cripps, His Majesty's Government's scheme is to be accepted or rejected *in toto*. As some essential features of the scheme are wholly, or partially, unacceptable to us, the Hindu Mahasabha has no other alternative but to reject the scheme."

"The Hindu Mahasabha cannot be true to itself and to the best interests of Hindustan (India) if it is a party to any proposal which involves the political partition of India in any shape or form....The Hindu Mahasabha, therefore, has fundamental objections to the proposals."

With regard to the *interim* arrangements proposed by Sir Stafford the Mahasabha stated that the constitutional position and status of India during the interim period had not been made at all clear and declared "particularly in regard to defence, the scheme of His Majesty's Government is unacceptable to us." "The tragic experience of Malaya and Burma," the Mahasabha Resolution added, "have demonstrated that apart from the deplorable failure of military strategy, the apathy and hostility of the people who were deliberately kept unarmed, contributed to the British reverses. The psychology necessary for full and willing co-operation in the present war amongst the Indian people cannot be created unless and until the defence of India is put in Indian hands. While lending its approval to the idea of the constitution-making body, the Mahasabha, characterized as vicious, the principle on which such body would be constituted being "anti-national" and "counter to the essential principles of Democracy."

The Working Committee of the Mahasabha meeting at Delhi in September 1942 observed, "The peril confronting India demands the mobilization of India's tremendous man-power and gigantic natural resources which can never be secured without a National Government..." and suggested that India's independent status should be immediately declared, that a truly National Government, composite in character and representative of the major political parties in India should forthwith be formed and that a Constituent Assembly be set up by the National Government after the termination of the war for framing India's constitution. The Mahasabha also complained that anti-national and anti-Hindu forces were being encouraged by the attitude of the British Government and by their reluctance to part with power to the representatives of the Indian nation. The Resolution condemned the repressive policy of the Government and demanded the release of all Congress leaders. The Resolution concluded with a warning to the British Government that if the British

Government still persisted in its policy of callous indifference to India's aspirations, the Hindu Mahasabha would have no other alternative but to revise its "present programme" and devise ways and means to impress upon Britain and her allies that India as a self-respecting nation could no longer be suppressed. The plenary session of the Mahasabha meeting at Cawnpur in January, 1943 passed a resolution, on the desirability of ending India's political deadlock unanimously passed the following resolution, moved by Dr. Moonje :

"In view of the fact that Great Britain is not prepared to part with power as has been clearly proved by their rejection of the national demand formulated by the Mahasabha and in view of the fact that Pakistani Muslims are actually threatening civil war and particularly in view of the fact that the principle of Pakistan is being encouraged by the British Government as evidenced in the Cripps scheme, this session of the Hindu Mahasabha has come definitely to the conclusion that an active movement must be resorted to, to compel Great Britain to recognize India as an independent nation in the world as well as to defend the integrity of India against the Pakistani Muslims.

"To devise ways and means for mobilizing the resources of Hindus to cope with external aggression and internal disorder and to prepare the Hindu force to fight out this struggle efficiently, this session authorizes the Working Committee to formulate a plan before April 30, 1943."

INDIA'S WAR EFFORTS

THE FIGHTING MEN •

"India's response to every call made upon her throughout the war has been magnificent. She may well be proud of the superb contribution that she has made to the victories of the Allies, and to the triumph of the United Nations," remarked H. E. Marquis of Linglithgow, Viceroy of India, in the course of an address to the Indian Legislature delivered on August 2, 1948. His Excellency also made the following observations :

"Our armed forces to-day total two million men. Naval personnel has increased tenfold. The Indian Air Force is expanding rapidly into a formidable weapon. That great total has been reached by voluntary recruitment, too, from a wider variety of sources than ever before.

"In the air the Indian Air Force has expanded from the single squadron that was all its strength when I first came to India to ten Indian squadrons, fully equipped with modern aircraft. The essential but highly complex ground organisation required by a national air force to provide its own maintenance and training units is rapidly being perfected....Its pilots have done admirable works in Europe : the Indian Squadron which took part in the Burma Campaign has rightly won the highest praise. And the work of expansion and development goes on apace.

"The Indian Navy has steadily grown through the whole of this period. These have been great and rapid increases in personnel, in ship construction, in shore establishments, in the development of specialist schools, and of specialist training. And recruitment has been extended to areas that never in the past sent men to serve at sea.

"Indian troops played a glorious part in the North and East African campaigns. Their superb fighting qualities, their courage, determination, discipline and training have been demonstrated time and again in the campaigns that have resulted in the overthrow of the Italian empire in Africa. The great victory of the 8th Army, in which the 4th Indian Division added still further honours to what was already an imperishable fame, is in the minds of all of us.

"In the Far East, in Burma, and in Singapore our troops faced, like their comrades from the other parts of the British Commonwealth, superior forces, and they fought a series of delaying actions in a type of warfare that makes the highest demand on the quality of troops.

"Those actions fought with stubborn courage against grievous odds gave India time to perfect her own defences against invasion."

INDIA'S EXPANDING WAR PRODUCTION*

"The clang of Indian workshops sounds a fuller note as their achievements are surveyed in the third year of the war. The exploits of Indian troops in

* An abridgement of an Article *India's Expanding War Industries*, in *Indian Information*, 3rd. War Effort Issue.

the Libyan and Mid-Eastern theatres are paralleled only by the tempo of production behind the Front Line in the mills and factories supplying the sinews of war for India's growing army. When the scale of recruitment to the Armed Services at the present time is recalled, some idea is gained of the momentum of production to keep pace with the demand for equipment and auxiliary. Few industries in India, big or small, are to-day unaffected directly or indirectly by activities connected with war production. If the war months of 1939-40 were months of exploration, 1940-41 was a year of planning and 1941-42 and beyond, the gradual fulfilment of her expanding industrial war effort.

"Expressed in terms of output and values, in the first six months of the war, India executed war orders $2\frac{1}{2}$ times as large as those placed in a similar period of the last war, in eight months her production had reached the peak of 1914-18, in a year it had substantially surpassed it.

The figures for the following periods are :—September 3, 1939 to March 31, 1940, Rs. 28·7 crores ; April 1, 1940, to March 31, 1941, Rs. 78·7 crores ; April 1, 1941 to March 31, 1942, Rs. 184 crores ; April 1, 1942 to September 30, 1942, Rs. 117·4 crores ; Total Rs 408·4 crores. These figures exclude the value of the out-turn of the Ordnance Factories (including the clothing Factories) which are administered by the Supply Department and are an integral part of the Supply Organisation.

Main Assets. "It was clear that at the end of August 1939, the main assets for the production of munitions and engineering stores were a young but flourishing steel industry, the Ordnance Factories and Railway workshops an excellent facilities for fabricated steel work. The main weaknesses were a lack of non-ferrous metals, shortage of technicians and, above all, the absence of general engineering workshops equipped and staffed for mass production.

"The countries from which in peace-time machinery and plants and all accessories such as jigs, tool and gauges could be obtained, together with the key personnel to run machinery, restrict or prohibit their supplies. Apart from these, there are frequent serious difficulties about material, and things which can be obtained quite easily in peace-time are subjected to a variety of wartime controls all over the world, and machines, machine tools and trained personnel are three most dreaded bottlenecks in any wartime production.

"The story of India's battle for production is thus the story of a battle over deficiencies in the industrial system, over raw materials, the men and the machines. The Ordnance Factories were thrown into full production as soon as the war began and well reinforced by the Railway and trade workshops in the manufacture of components, achieved the following advances by the end of 1941-42, taking the monthly average production for January to August 1939 as the base from which a start was made :—

<i>Category</i>	<i>July 1940</i>	<i>April 1941</i>	<i>April 1942</i>
Gun Ammunition (filled rounds, all natures)	76	351	663
S. A. A. (all natures)	152	230	294
Rifles (new and repaired)	207	343	689
Pyrotechnics	78	400	648
Bayonets	—	158	829

"To enable these increases in production more than Rs. 7,00,00,000 have been spent on expansion projects, soon overtaken by other projects, originally estimated at Rs. 16,00,00,000 but likely to be more when complete, all at Britain's cost. Of some 40 new munitions projects, some are already in production, while the remainder will come into production, according to schedule, in 1948.

Factories have risen where there were just waste lands and a new army of technicians are working—steel workers, machine tool workers, munitions workers, saddlers, engineers, chemists and a host of other trained personnel.

New types of shells, including various armour piercing anti-tank types have been brought into production. The manufacture of new types of cartridge cases has been established, also of fuzes or pistols as they are called for air bombs. On the small arms side, a new plant has been installed for the manufacture of light machine-guns, the out-turn of which exceeds the target aimed at under the Chatfield Plan. There has also been a big increase in the out-turn of rifles and bayonets. A new steel works for the manufacture of alloy steels came into production last year, new rolling mills for bars and rods were installed and a 2,000 ton forging press for forging guns including anti-aircraft guns has been operating successfully.

Explosives. "In the field of explosives, the expansion programme involved the procurement of new plants and equipment. Large plants are now operating for the manufacture of toluene, acetone and the various acids. The increased out-turn from these factories is already making itself felt in India's and the empire's war effort and by August last, output of cordite, for example, not only reached a record but exceeded the theoretically expanded capacity provided in this factory. High explosives such as T.N.T. began to be manufactured for the first time and Composition Exploding, which is described as 50 per cent more sensitive than T.N.T. was also under manufacture and the output of acetone has shown big increases.

New Steels. "Meanwhile, the progress of the steel industry itself ranks as one of the most outstanding developments since the war. Output will rise to nearly 100 per cent, compared with pre-war when the new schemes of expansion are complete. Two schemes to increase the production of steel have gone forward in agreement with the industry including one for the manufacture of alloy and tool steels. A third scheme, also agreed upon for immediate execution, will improve the production of category of steel now in short supply. A fourth scheme provides for the addition of important balancing equipment. This is not merely a vertical increase, although by itself, it is no small achievement, represents also specialisation and concentration on new types of steel hitherto not manufactured in India. The last is a long one and every type of new steel that is perfected is itself the starting point of a new industry or industries.

Thus, there are bar steels for shell manufacture, bullet-proof armoured vehicles, armour piercing steel for special bullet shots, a high speed steel for machine tools, high carbon steel for explosive shells, nickel steel for gun carriage mountings and stainless steel for surgical instruments. About 80 per cent of India's steel production is taken up for direct Defence needs and the needs of essential Government Services such as the Railways, the balance is issued only for civil needs classed as essential. *Non-ferrous* metals are also controlled and it follows that the Supply Organisation commands the entire

output of the steel fabricators and the general engineering workshops. Progress is limited only by the difficulties of raw materials and the supplies of skilled man-power especially on the supervisory grades. Of engineering stores, structurals have been turned out in ever-increasing quantities and Railway track-equipment of many types have been sent overseas. The value of orders placed is now of the order of Rs. 4 crores a month. Considerable strides have been made in the production of electrical items and an entirely new factory for the manufacture of "D" class signalling cable was undertaken and output of cable from the existing plant is to be increased by concentration on standard types and the cessation of manufacture of small quantities of specialised types. Manufacture of ferro-silicon has been established in one Indian factory and at least half of India's requirements will be met from this source. Experiments for ferro tungsten and vanadium from Indian ore are being made and new plants are on order. The production of aluminium will be on a scale which is ultimately expected to enable India to meet her requirements of this metal.

1,500 Engineering Workshops. "...At the outset of the war, there were about 600 trade workshops known to be available. The Director of Munitions Production is now using 1,500 engineering workshops. 840 for general engineering items, over 300 for small tools and 345 plus 23 Railway Workshops for munitions components. Apart from establishments contracting with the Government directly, a very large number of small manufacturers are employed as sub-contractors. Thus the output of many things aimed in India before the war—from steel to pith hats—has been very greatly increased by multiple shift-working, re-distribution of plant and personnel and actual additions of plant. Advances of this kind are due quite as much to independent industrial enterprise as to official intervention. The overall increase of more than 88½ per cent in the output of steel, which may rise within the next 2 years to 100 per cent, the considerable stimulation of the non-ferrous metals industry and the increase in the output of leather goods, chemicals and drugs are examples of quantitative expansion. But there has been expansion in kind as well as in quantity and many things are being made in India now which were not made at all before the war, epitomized in the statement that India now makes 90 per cent of the various articles required by the Army. Some of these are military specialties—military lorry bodies, bodies for armoured fighting vehicles, minesweeping trawlers, new types of weapons and ammunitions and various items of personnel and other equipment. Others are likely to be permanent additions to India's industrial output as the various kinds of special steels, like tool steels, taps, die and small tools.

Plastics. The use of plastics has been developed and the technique of dies casting has been improved. Machine tools are being made not only in larger quantities but in better qualities and five leading manufacturers are participating in an expansion scheme to be carried out with the aid of imported technical staff. In the field of ship repairs and ship construction India's resources are reflected in the establishment last year of a separate Directorate General for this expanded activity and more than 80,000 men are engaged in the various shipbuilding and ship repair yards in India.

Textiles. "On the general stores side, the initial position was in many respects much stronger. Thus, ranking as the Empire's biggest clothier for the Army, India's 10,000,000 spindles and 200,000 power looms supplied 760,000,000 yards of cotton textiles in 1941-42 and in 1942-43 the Defence

requirements were expected to reach over 1,100,000,000 yards. These materials were used in the production of nearly 350 items of cotton textiles and in order to provide for these orders, an agreed reservation of capacity became necessary and Indian mills have now set apart 85 per cent of their total production for the purpose. It was India which found the answer to the serious world shortage of flax when Baltic and Russian supplies failed, and it was India's jute industry already famous as a world supplier that evolved an indigenous substitute, the cotton jute union canvass, whose water holding properties have been tested to be as adequate as flax canvas. The supply of woollen textiles has been difficult from the first and 100 per cent of the mills capacity has been used by the Supply Department.

Cement. Until recently, the cement works could meet all needs without difficulty, but in the last few months a rigid control has had to be imposed and about 90 per cent of the total output goes to direct Defence.

Paints. "The value of paints and allied materials in 1941-42 reached approximately Rs. 1 crore.

Army Boots. "Production of Army boots in India has been increased from 1½ million pairs in 1941 to the present output of 4 million pairs and will still further increase."

Timber. "India supplied over 242,000 tons of timber in 1940-41, 396,000 tons in 1941-42; and demands reach the one million ton level by the present time."

Canned food. "Most canned foodstuffs still have to be imported, but progress has been made with the production of jams, marmalades, golden syrup, canned tomatoes and dried vegetables, the process for the last named having been developed by an Indian research worker. Dried vegetables are being pressed in block form, each individual briquette forming the ration of one man. Development in production of dried fish, dried meat and dried eggs is being undertaken and is bearing fruit."

Medical instruments. "In peace time indigenous production of medical instruments for the Defence Services was small and limited to a few simple instruments. Since the war, not only has the indigenous industry practically kept pace with Defence Services demands, but it has enabled India to supply Russia with approximately 80,000 instruments of indigenous production. The approximate value of instruments etc. inspected and accepted averages monthly from Rs. 4 to 5 lakhs."

Drugs & Dressings. Approximately 300 items of drugs and dressings formerly imported are now manufactured in India. One Government medical store depot is turning out a million dressings per month, while another produces 120,000 lbs. of cotton wool and 18,000 lbs. of lint monthly.

Statichutes. "The manufacture of statichutes has been established on a respectable scale and capacity for the filature reeling of silk is being doubled. Very considerable expansions of tyre production are in hand, rubber-reclaim plants have been established, new chemical plants are coming into production and further development is contemplated for basic chemicals and power alcohol."

Aircraft Factory. "An aircraft factory has been set up and several schemes for the repair and maintenance of aircraft are in hand—some of them already effective."

Small Scale Industries. "So much for organised industry, but what of the hitherto not full tapped resources of India in the villages and rural area? Here, also, activity gains momentum and innumerable believers of industry born and nurtured within the centuries old traditions of ancient Indian craftsmanship are springing to new life and are executing orders for various simple stores under Government schemes for the encouragement of small industries. Orders under the scheme, total over Rs. 10 crores and reached the Rs. 5 crores limit in 1941-42.

"Even an outline sketch of war supply in India would be incomplete without reference to skilled man power. The benefits of the scheme under taken by the Labour Department of the Government of India in 1940 are not being felt some 40,000 men are under training, and the periodical despatch of Bevin Boys to Great Britain continues. In the Ordinance Factories there is a special scheme within that of the Labour Department, under which men are trained to take their places in the new projects."

INDIA IN 1942-43

THE TRAIL OF CRIPPS MISSION

In our last year's issue, Sir Stafford Cripps' proposals for constitutional advance in India were given *in toto* and the reactions among the different shades of political views in India were also dealt with at some length. The Cripps' proposals did not please any single important political party in India. The Congress rejected them. Sir Stafford had stipulated that his proposals were to be accepted or rejected *in toto*. The two important communal organisations in India—the Muslim League and the Hindu Mahasabha—found some redeeming features in the proposals, but they had no other alternative but to reject the proposals as they could not accept them *in toto*. The main features of Sir Stafford's proposals were :—1. Immediately after the cessation of the present war, a constitution making body would be set up in India consisting of the representatives of the provincial legislatures. 2. This body would be entrusted with the task of framing India's Constitution which the British Government undertook themselves to accept. 3. The proposals contained a *proviso* that if anyone or more contiguous provinces did not agree to join the constitution-making body as referred to above, such province or provinces were free to come to a new agreement with the Paramount Power, viz., the British—regarding a similar constitution-making body for framing the constitution of such a province or group of contiguous provinces. 4. There was further a provision that Indian States, who were willing to join the Indian Union were free to do so under certain conditions. 5. During the present war some sort of a National Government with full powers except Defence was to be set up in India.

The breakdown of Cripps negotiations came as a bomb-shell and left a trail of controversies which lasted for months together—a controversy regarding the cause of and responsibilities for the breakdown. The British Press almost unanimously laid the blame at the door of the Congress and particularly on Gandhiji's shoulders. Prof. Coupland in his brochure on "*Cripps Mission*" explained in details the Congress share of responsibilities for the breakdown. On the Congress side, no less a person than Moulana

Abul Kalam Azad, the President of the Indian National Congress declared that the negotiations broke down on the question of defence. He admitted that Sir Stafford had given an alternative defence proposal for the *interim* period, but that the new formula was no formula at all. As has already been mentioned in the Section, *Indian National Congress*, Mr. Louis Fisher, a noted American journalist who has in recent times been taking keen interest in Indian affairs, in a series of articles endeavoured to throw some lights on the share of responsibilities for the failure of the Cripps mission. Mr. Fisher, with the help of facts, quotations and references sought to prove that the Cripps Mission had failed only because Sir Stafford had been suddenly pulled up by his chief in England—Mr. Churchill—as he (Sir Stafford) had gone beyond the original terms of his mission to India. Whatever the cause and wherever it might be placed, the fact remains that the failure of Cripps, Mission in India is a national tragedy of the greatest magnitude. For, Sir Stafford had offered to India reforms far in advance of whatever had ever been offered or dreamt to be offered by any responsible British statesman in Sir Stafford's position. (See Indian National Congress.)

A NEW POLITICAL ORPHAN

Congress politics centering round the question of participation in war efforts or taking Government offices, precipitated the rise of a political orphan in no less a person than Mr. Rajagopalachari, former Prime Minister of Madras, a stalwart of the Congress High Command and a worthy lieutenant of Mahatmaji. Mr. Rajagopalachari was of the opinion that armed resistance against the Japanese aggressor was in the best interests of India, and that all avenues ought to have been explored for making it possible for Congress and other political organisations in India, particularly, the Muslim League, to come to an agreed formula for accepting office during the continuation of the present war for ensuring the maximum resistance to aggression from outside India. Mr. Rajagopalachari worked for months after the failure of the Cripps mission for bringing about a rapprochement between the Indian National Congress and the Muslim League. He went so far as to concede to the *Pakistan* demand of the League with a view to easing matters and placating the League and particularly Mr. Jinnah. Even when Mr. Gandhi and other Congress leaders had been gaoled, and the question of any active politics on the part of the Congress was excluded effectively by the Govt. of India, Mr. Rajagopalachari persisted in his mission to bring about the rapprochement. He had long and repeated meetings with Mr. Jinnah and it appears that he had come to some understanding with the Muslim League leader. He was looking forward to having a meeting with Mahatmaji in jail but the Government of India interceded because they were of opinion that the interview would not yield sufficient results. Rajaji's motive was patriotic and laudable but his labours for his new mission have left him an orphan in Indian politics.

THE "QUIT INDIA" RESOLUTION AND AFTER

Shortly after the failure of the Cripps Mission, Gandhiji in one of his pronouncements called for an immediate termination of the British Rule in India as a necessary step for defeating Japanese aggression with the help of non violent means. While reiterating that he remained the same friend of the British and that he had no trace of hatred towards them, Gandhiji expressed himself to the effect that the time for the British and the Indians to be reconciled

to complete separation from each other had come—not after the War but during it. He prescribed "complete and orderly withdrawal of the British from India at least, in reality, and properly from all non-European possessions. It will be the bravest and cleanest act of the British people. And the clean end of imperialism will be the end of Fascism and Nazism. The suggested action will blunt off the edge of Fascism and Nazism which are an off-shoot of Imperialism."

On August 4, 1942, the Government of India published documents relating to Congress Working Committee discussions at Allahabad including a draft resolution containing the following points: (1) A demand should be made to the British to clear out from India. (2) India was involved to be a War Zone only as a result of British Imperialism. (3) No foreign assistance was needed for the deliverance of India. (4) India has no quarrel with any country. (5) If Japan invaded India she would meet with non-violent resistance. (6) Elaborate forms of non-violent non-cooperation to be meted to the Japanese were given. (7) Foreign soldiers were a great menace to India's freedom. Mahatmaji was not present at the meetings.

In July 1942, the Working Committee of the Congress meeting at Wardha, passed a lengthy resolution—not the Allahabad draft in all respects. The Resolution proposed that independence should be declared at once and be effected by the withdrawal of the British Rule which was to give place to a provisional National Government. While admitting the fact of risk in the transfer of power during war-time the Working Committee declared that such risks should be taken to avoid greater risks. Congress allegiance to the Allied cause even after the proposed British withdrawal was, however, clearly assured in the resolution and readiness to offer armed resistance to any aggression, in the event of non-violence failing, was clearly expressed. The resolution did not accept the thesis that it would be difficult to pave the way for a democratic Constituent Assembly through the establishment of a Provisional Government to be set up after the withdrawal of the British. It is "only after the ending of foreign domination and intervention" that—"unreality will give place to reality"—and the people of India—of all groups and parties—will put their heads together for facing India's problems. In such a condition, the present political parties may cease to function and even the Princes, Jagirdirs, Zamindars, propertied and moneyed classes will realise that they "derive their wealth and property from the workers in the fields and factories and elsewhere" and that "power and authority" should essentially belong to them.

By August 6, 1942, in anticipation, it seems, of the A. I. C. C. meeting in Bombay for ratifying the Quit India resolution of the Working Committee, Sir Stafford Cripps told India and the world that "self-Government for India is assured as soon as hostilities are over and it becomes possible to re-plan the life of India on a new basis." He further added, "concerning the attitude of the British Government there can be no doubt." He justified the continuation of British Raj in India during the war period because "chaos in India at this moment would not affect India only. It would affect vitally the whole war against Axis Powers." Sir Stafford enlarged on the difficulties of getting "the agreement of all sections of Indian opinion so as to avoid immediate civil war" and thereby sought to dismiss Mr. Gandhi's theory that even side by side with a provisional National Government in India, the American, British and the Chinese forces could carry on war against the Japanese. Sir Stafford was outspoken in asserting that "no one will expect

the British Govt. or the Govt. of India to yield to threats of violence, disorder and chaos; and indeed representatives of large sections of Indian opinion have expressly warned us that we must not do so." It should be mentioned in justice to Gandhiji himself that in a series of articles in the *Harijan* he had made his and the Congress position clear *vis-à-vis*. India's attitude towards Japan. These explanatory writings will go to establish Gandhiji's consistency in his adherence to the cult of non-violence and his clear and unmistakable denunciation of aggressive warfare. In one of his articles he warned the Japanese that they would find the bitterest opposition in India—on non-violent lines—if they chose to carry on aggression into India and boldly declared that his great estimation for the Japanese people which was quite old was getting shaken by what Japan was doing in China.

Some days before the A. I. C. C. meeting in Bombay, Sir Tej Bahadur Sapru and Mr. M. R. Jayakar issued separate appeals to the leaders of all parties—the Congress, the League, the Mahashava to move in the matter of calling a joint All-Parties Conference. Sir Tej Bahadur and Mr. Jayakar suggested that failing such a Conference being called, the Viceroy and the Indian Executive Councillors should take the initiative for calling such a Conference. Nothing came out of this move.

As has already been noted the Government of India published on the 4th August the rejected resolution drafted by the Congress Working Committee at Allahabad in April 1942. Mr. Gandhi and Pandit Nehru strongly criticised the Government for having used the documents; for the "notes" published by the Government did not give a correct idea of what happened at the meeting.

The A. I. C. C. meeting commenced in Bombay on the 7th, August. The next day the "quit India" resolution was passed by a very large majority. In a two-hour speech Gandhiji made the Congress position and aim and its determination to carry on civil disobedience, clear. He, however, stipulated—"we shall make every effort to see the Viceroy before starting the struggle."

The Resolution passed by the A.I.C.C. was "cumbersome in length but clear in its meaning: India wants substantial freedom immediately". The British must quit India—the British administration must be replaced by an *interim* National Government. Given freedom "India will be able and willing to take up full armed resistance by the side of Britain and the United Nations: without such freedom she can do nothing. Were that freedom to be withheld, a mass civil disobedience movement would be launched to secure it."*

The Government of India would not tolerate a challenge to their power and prestige. In a resolution passed on 8th. August the Governor-General-in-Council stated: "To a challenge such as the present there can be only one answer. The Government of India would regard it as wholly incompatible with their responsibilities to the people of India and their obligations to the Allies, that a demand should be discussed, the acceptance of which would plunge India into confusion and anarchy internally and would paralyse her effort in the common cause of human freedom." "The Governor-General-in-Council has," the Resolution added, "been aware for some days past of dangerous preparations by the Congress party for unlawful and in some cases violent activities, directed among other things to the interruption of commu-

* *New Review*, Calcutta, Sept., 1942.

nications and other public utility services....." The Governor-General-in-Council failed to accept the claim of the Congress party to speak for India as a whole as "repeated protests even in these last few days by the leaders of great communities and solidly established interests, by so many leaders of liberal thought, by those great sections of the population which are giving unstinted and invaluable support to the war against Axis aggression" would show.

The Government took immediate action and stern measures to implement the implications of the above Resolution. Gandhiji, President Azad and other members of the A. I. C. C. present at the Bombay meeting were put under arrest. The Indian National Congress was declared illegal.

Reaction to the arrest of Congress leaders was almost instantaneous in Bombay where the crowds committed acts of incendiarism and rioting broke out necessitating the enforcement of curfew orders.

The reactions in Mr. Jinnah, the leader of the Moslem League, were expressed by him in a Press Statement dated the 9th August: "deeply regret that the Congress has finally declared war and has launched a most dangerous mass movement...." After stating that he had summoned a meeting of the Working Committee of the League to consider the situation, he advised his co-religionists "to keep completely aloof from this movement and not to surrender to threats and intimidations of Congress workers, but to continue their normal life peacefully." He also warned the Congress workers not to interfere, molest, harass, or picket Moslems and he appealed to the Hindu public to stop, before it was too late, that internecine war to which they were called by the Congress. Incidentally it may be mentioned that Mr. Jinnah had during the previous month characterised the proposed *quit India* movement as a challenge to the Moslem League and the Moslems in India. (See Indian National Congress.)

During the two weeks following the arrest of Congress leaders popular risings took place in most of the British provinces. Interference with transports and communications and destruction of Government properties were the main features of these risings. In Bihar and Bombay Presidency the risings were most protracted and disastrous in results. U. P., Bengal, C. P. Delhi had all witnessed disturbances and the enforcement by Government of stern measures. As was stated by the Home Member on 16. 9. '42 on the floor of the Indian Assembly the total number of casualties, resulting from police or military firing during August and early days of Sept. was 340 dead and 850 injured. By the middle of September the violence of popular fury had subsided almost all over India and in a couple of months all was quiet.

'GANDHIJI'S THREE-WEEK FAST

Shortly before noon, on 10th Feb. 1948, Mahatmaji began a 3-week fast—a fast according to capacity, and not a fast to death. The cause of the fast may be traced in the correspondence between Mahatmaji and the Viceroy. On 31st December, 1942, Mahatmaji in a letter addressed to the Viceroy stated that he was prepared to condemn the so-called violence of some people represented as Congressmen; but that he had no data for condemnation except the censored press reports.

He was going to undertake the fast for purifying the flesh. He was always prepared to make ample amends if he was convinced of his error or errors. The

Viceroy replying on 18th January 1948 said, "In the light of what has happened if you wish to retrace your steps and dissociate yourself from the policy of last summer, you have only to let me know and I will at once consider the matter further, and if I have failed to understand your object, tell me what positive suggestion you wish to put to me." Gandhiji replying on 19th January 1948, said among other things, "if you want me to act singly convince me that I was wrong, you want me to make any positive suggestion on behalf of the Congress, put me among the Congress W. C. members." Replying on 25th January 1948, the Viceroy wrote, "If you are anxious to inform me that you repudiate or dissociate yourself from the resolution of the 9th August and if you can give me appropriate assurances as regards the future I shall be very ready to consider the matter. Gandhiji retorted on January 29 that the Viceroy should at least make an attempt to convince him (Gandhiji) that the August resolution of the Congress was responsible for the popular violence that broke out on August 9, that he (the Viceroy) had not stated which part of the Congress resolution was bad or offensive. If objection is raised to that clause of the Resolution which contemplates civil disobedience, that itself can not constitute an objection since the principle is impliedly conceded in what is known as "Gandhi-Irwin Pact." Even that Civil Disobedience was not to be started before knowing the result of a meeting for which he was to seek. He could now safely say that it was for the Government to justify their action by solid evidence To the facts of murders his answer is that the Government goaded the people to the point of madness. Government started violence in the shape of arrests. That violence is not any the less because it was organised on a gigantic scale. Add to this the privations of the poor millions due to India-wide scarcity, which might have been largely mitigated if not prevented by a National Government, responsible to a popularly elected Assembly. The Congress was willing and prepared for the Government inviting Mr. Jinnah to form a National Government. The Viceroy in a letter dated 5th February 1948 sought to justify the Government position and characterised the contemplated fast as a political black-mail. Gandhiji, therefore, adhered to his determination to fast for 21 days as a protest, it appears, against the Government's misrepresentation of the Congress as being a party to acts of violence. The decision taken by Gandhiji, whatever be its moral or spiritual interpretation—and it could have no political significance or value—came as a shock to the whole of India. For the Mahatma, the greatest and the most loved man in India—already far advanced in years—was not keeping good health. The fast, Mahatmaji wrote, was not "a political blackmail" but "an appeal to the highest tribunal for justice which I have failed to secure from you (Viceroy).....Posterity will judge between you as representative of the all-powerful Government and me as a humble man who tried to serve his country and humanity through it."

In a Communiqué published on 10th Feb. the Government of India made their position and policy clear. They had no intention to allow the fast to deflect their policy; though they wished that Mr. Gandhi should fast as a free man under his own arrangements, so as to make it quite clear that the responsibility for the fast or for the consequences thereof rested exclusively on Mr. Gandhi. So Gandhiji was released for the duration of the fast. Gandhiji expressed his readiness to abandon the fast if he were released. But the Government were not prepared to concede. On his part Gandhiji would not oblige the Government by leaving the Aga Khan Palace—his prison—for fasting elsewhere.

The fast commenced shortly before noon, on the 10th. of February. Though he did not leave the Aga Khan Palace, the Government gave Gandhiji freedom to meet friends and all facilities for medical aid.

During the first week of the fast Mahatmaji—unlike during his other previous fasts—began to show unwelcome signs. It is not unreasonable to suppose that the general condition of Gandhiji's health was much affected by the long and intricate discussions which Mahatmaji had to hold with the leaders of the all-parties who had met at Delhi for considering the situation arising out of Gandhiji's fast and for taking steps to avert a national catastrophe. These well-meaning leaders had acted as go-betweens between the Government and Gandhiji with a view to finding a formula for agreement for Gandhiji's abandoning the fast. Nothing materialized except the precipitation of a crisis in Gandhiji's condition during the second week. All India stood alert and in suspense. Would Gandhiji survive the fast? What would be the consequences if the worst came? Will America intervene?

But the suspense was not long; by the middle of the third week the crisis was followed by a lysis. Unhappy India was spared another catastrophe—perhaps greater and more intensive than that of August—Sept. 1942.

Eminent physicians of All-India repute who had been by the side of the fasting Gandhi expressed the view that Gandhiji's survival of the fast was nothing short of a miracle.

ENDING THE DEADLOCK

As has already been noted, Mr. Rajagopalachari had since May 1942 been tirelessly active in bringing about a rapprochement between Congress and the League. Paucity of results has not had any effect on his energy or optimism.

Even to this day—Sept '43—Rajaji is sticking to his mission and is on his rounds of duty. "The latest suggestion that Mr. C. Rajagopalachari has put forward for solution of the Indian dead-lock is that the British Government should restart negotiations just from the stage where the Cripps proposals broke down and that Sir Stafford Cripps should be entrusted with full and plenary powers to see them through. It indicates some change in our distinguished friends' angle of vision. No longer does he make an appeal to Mr. Mohammed Ali Jinnah. Perhaps events have convinced him that there is absolutely no hope of initiative being taken by the Muslim League President in any progressive cause."

Mr. Rajagopalachari is not a lonely figure in India in the field of political peace-making. Repeated attempts have been made by the all parties conference and particularly by Sir Tej Bahadur Sapru and Mr. Jayakar with results that have not been worth their exertion. Mr. Shyama Prasad Mukherjee, the Mahashava leader from Bengal called an all-parties meeting at Delhi with a view to exploring avenues for ending the dead-lock and facilitating the establishment of a national Government in India.

It is not known where to place the responsibility for the state of prolonged dead-lock in India's political march. On important political parties in India the primary responsibility undoubtedly lies. Non-Indian vested interests in India had until very recently opposed any proposal for transfer of real power

* Amrita Bazar Patrika, 8. 9. 43.

to representatives of the people of India and had exploited and even encouraged communal disharmony. But that was in the past. Their present attitude is very correctly interpreted by the *New Review* of Calcutta (October, 1942)—a non Indian managed and owned paper :

"When going through the numberless speeches, declarations, explanations of parties and associations, one is struck with their unanimity in demanding an immediate transfer of substantial power into Indian hands. Even the British community as a whole does not oppose it ; many positively favour it ; the section which represents invested interests has taken its stand by the official policy, not exactly because averse to Indian independence but rather out of fear of endangering the success of the war."

As has been noted under Moslem League, Mr. Jinnah expressed himself to the effect in June 1943 that, if Mr. Gandhi should write to him nobody would dare to stop him. The publication of the news of intercession by Government of Gandhiji's letter to Mr. Jinnah evoked the strange remark from Mr. Jinnah that Mr. Gandhi's letter was an attempt to embroil Mr. Jinnah and the League into a struggle with the British power.

Our own responsibilities for the dead-lock are not small. It must be admitted frankly in justice to truth that we all—Hindus and Moslems alike—are responsible. Unanimity at any cost on the question of self-Government ought to have been an essential item on the programmes of our political parties. Something must be wrong with us. It is often said that our foreign rulers and their vested interests in India are mainly responsible for keeping Hindus and Muslims apart. But why we at all allow them to be at this game of *dividing and ruling* us. The Moslem League and its great leader, Mr. Jinnah, have in recent past figured very prominently in Indian politics for their insistence on *Pakistan* idea in their approach to any proposals for constitutional reforms in India. The Moslem League does not, it is true, represent the whole of Moslem India ; but it is the most powerful Moslem political party in India enjoying the largest following among the Moslems. We are ourselves unable to form any impartial view of the merits and otherwise of the League and its ideas. The best thing will be to see through the impartial eyes of foreign observers in India :

"The attitude of the Muslims is but too often obscured by the complexity of their demand. The Muslim League itself claims independence on the one condition of *Pakistan*, what *Pakistan* means in real *politik* is uncertain and the schemes which have been presented to build up sovereign Muslim States are vague and inconsistent ; Mr. Jinnah himself refuses to explain what he has in mind and has taken refuge in non-committal non-violent non-cooperation. On the other hand, it is certain that the Muslim League does not represent the whole Mohammedan community and it is likely that no *Pakistan* scheme would rally a Muslim majority in the N.-W. F. P., Sind or Bengal. The situation was put in its proper light by Sir A. H. Ghuznavi when discussing Churchillian arithmetic : Mr. Gandhi's and Mr. Jinnah's claims to represent the whole of India or the whole of Muslim India respectively are both egregiously wrong and it is of little use to recognise or to discredit their claims according as occasion demands. This time, he (Mr. Churchill) has conceded that the ninety millions of Muslims are behind the Muslim League and opposed to Congress, forgetting the existence of very important parties with large followings among the Muslims of India, like the *Jamiat Ul Ullama*, the *Momms*, the *Akhars*, the *Azad Muslims*, who do not owe allegiance

to the Muslim League..... All parties must be considered..... All parties want freedom. The difference among them lies only in the path each elects to follow for the attainment of that freedom. The demand for the National Government is the national demand. It is also in conformity with the ideals for which the United Nations stand and fight this war." *New Review*, Calcutta, Oct. 1942.

THE SOARING PRICES AND FOOD FAMINE

Since September, 1942 prices of foodstuffs and the general price level have been rising in India day by day. The general index number of wholesale prices in India had registered an unprecedented rise of no less than 184 points during the year from July 1, 1942 to June 30, 1943. The index numbers of cereals during the corresponding period have risen from 157 to 447. The causes of this rise in prices have to some extent been dealt in the sections, *The Problem of Inflation* pp. 322 and *Commodity Prices* pp. 308. In these days of managed currencies all the world over, it is very difficult to say if inflation is at work; and if so, it is extremely difficult to measure inflation in terms of index numbers. In Gold Standard days the easiest and the rather scientific method of testing and measuring inflation was the disturbances in Gold points. Now-a-days, gold is not the measure of value and the free inflow and outflow of gold have been banned during the war. It is difficult and controversial to say how far our currency authorities have resorted to inflation. One measure of judging inflation is to ascertain the totality of services rendered and the commodities consumed during a particular period have increased, by a particular community under an expanding currency, the velocity of circulation and the artificial currencies offered by Bank deposits remaining the same. It is doubtful if in India even under the pressure of the colossal war efforts and the increasing facilities for expansion enjoyed by India's numerous industries, during the war period, it could be said that the aggregate of goods and services in India in any year during this war period is higher than in a pre-war year, say 1938 or 1939. The standard of comfort and the standard of living of the people at large are considerably suffering. Increased war efforts or diversions of services and commodities to efforts necessary for the execution of the war, may have some compensating effect on the sacrifices undergone by the general masses of people in India but scientifically speaking there appear to be few data to point to the fact that India's national income in 1942 was higher than in 1938 or 1939. In the light of this it appears that inflation, and most injudicious inflation, has been resorted to by our Currency authorities.

The construction of railways and of irrigation works in India during the present century had eliminated the question of food famine in India and if we occasionally heard of famines here and there before the present war those were all money famines rather than food famines. But during 1942-48 we have had real and unmistakable food famines. We have come back to Mediaeval life. Within a range of 900 miles only prices of foodstuffs are varying by 100 to 200 per cent. Particularly in Bengal all the signs of famine were visible from the middle of 1942. The Government of India and particularly the Government of Bengal had anticipated food scarcities in Bengal and have taken in their own way certain steps for encouraging production of foodstuffs by launching the "Grow More Food" campaign. But cyclones, floods and transport difficulties have combined to reduce the availability of foodstuffs in Bengal to

such a horrible minimum that occasions have not been rare when essential foodgrains could not be had for any price. Production in Bengal in recent years must have been lower. There is no denying this fact. The gap in local production might have been made good by inflow from neighbouring or even distant provinces. But the difficulties of transports have not been negotiated. For as Sir Edward Benthall told us several months ago, Wavell must have everything he wants and the demands of the civil population would come next.

The intensity of the present food famine in Bengal can only be partly realised by casual references to daily newspapers in Calcutta from July 1948. It can be roughly estimated that at least 6,000 persons are dying of starvation every day and the general vitality of the people of Bengal is deteriorating so rapidly due to lack of essential food that in 1948 the death rate of the province is likely to increase by cent per cent.

The causes responsible for these intensive and extensive scarcities of essential foodstuffs in Bengal in particular and in the whole of India in general are many. Among the causes the following have from time to time been stressed upon by the Press: 1. Stoppage of exports from Burma. 2. Exports of food-grains from India to foreign countries. 3. Low production in 1941, 1942 and 1943 in certain rice-producing Bengal districts caused by locusts, cyclone and flood. 4. Difficulties in getting transport facilities for free movement of foodstuffs from surplus to deficit areas.

All these causes may be present, but over and above all these, there is the perennial cause of increasing pressure of population on the Soil which has had cumulative effects in recent years.

The export position has been repeatedly made clear by the Government of India. A recent Press note on the subject, published in Calcutta Papers on 28rd August is reproduced below:—

"Since statements are still appearing in the press that heavy exports of foodgrains from India, and from Bengal in particular, are continuing, the Government of India wish to state categorically that there is no foundation whatever for such statements. In a recent Press Note it has already been made clear that the total export of foodgrains from India during 1942-48 was 370,000 tons representing a steady decrease from the 1937-38 figure of over 900,000 tons. Since the beginning of 1948 the monthly export figures from India have been as follows:—

1948	Wheat	Rice	Total
January	140	18,880	18,979
February	166	19,058	19,244
March	6	12,612	12,618
April	38	7,819	7,852
May	216	5,479	5,695
June	20,321	10,166	30,487
July	283	2,008	2,291
Total	21,165	70,972	92,187

"The destinations have been Ceylon, the Persian Gulf or African Ports and Islands where there are Indian communities. Over the same period total exports of rice by sea and by rail from Bengal have been less than 7,000 tons

of which exports outside India were less than 3,000 tons—mostly in January, Against this there were imports into Bengal of 70,000 tons, representing net imports of 63,000 tons."

In the above statement no light has been thrown on the exports of food grains from Bengal to other Indian Provinces during 1942 or 1939-41.

In the course of his speech during the Food debate in the Upper House of the Indian Legislature on August 18, 1943, Sir J. P. Srivastava, Food Member, Government of India said: "since the beginning of 1943, total of 175,000 tons of foodgrains was imported into Bengal at the instance of the Government of India, a figure which does not include the quantities which were imported during the 3 months of free trade period from the middle of May to the middle of August". The persistence of famine conditions inspite of these imports show how great the food deficit has been in Bengal.

Major General Wood, Addl. Secretary, Food Dept., Government of India stressed, in the course of his speech in the Central Assembly in March 1943, the necessity of eliminating hoarding of food-stuffs. There is no doubt that there has been hoarding of food grains in Bengal by speculators and consumers alike. Rising prices and uncertainties of supply are very powerful incentives to such hoarding, which it is very difficult to stop or effectively check unless all-out rationing is resorted to on up-to-date lines. In a broadcast on April 16, 1943, Major-General Wood, gave us the assurance that "No single Province or State will be called upon to pass through the next 12 months with as little food grains as they had in the worst of three years prior to the war. Every province and state in India will have substantially more at its disposal than the worst of these three years".

Inspite of these assurances the food situation in Bengal showed little signs of improvement during May-August 1943, and in certain districts of West Bengal, the situation grew from bad to worse—as indicated by rise in the already abnormally high price of rice, lack of supply and increase in starvation cases. It must, however, be admitted in justice to the Government that the recent dislocation of transports—both serious and protracted—occasioned by floods, has interfered with Government plan of food supply to deficit areas.

Our present food problem has, we are glad, attracted the attention of the British press. *The Times* of London editorially commented on 20th Sept. 1943, "For the first time for 40 years the grim word famine has made its appearance in reports from India. In Calcutta and in the rural areas of Bengal, men, women and children are dying of starvation. That the shortage is the direct outcome of the war does not dispose of the question whether it need have arisen if foresight had been shown and resolution had been taken." After dealing with pressure of population on soil—viz. of 800,000 to 400,000 additional lives per month—the Paper states that faulty distribution, hoarding and profiteering are among the causes of the present scarcity in Bengal. The *Glasgow Herald* in an editorial says "The Government of India could doubtless have moved more swiftly and decisively when the extent of the famine became evident".

As has already been remarked the Governments of Bengal and of India anticipated this food famine as early as 1941. They launched their *Grow More Food* campaign,—for giving gratuitous advice. But an effective campaign or programme for accelerating food-production must include provision for cheap manure and implements of farming and above all for long term credit a scale compatible with the size of the agricultural needs in the country.

The following extracts from Editorial comments in the *Statesman* (Cal.) of Aug. 11, 1948, are sound tips for our Authorities in Cal. or in New Delhi :—

"..... The average yield per acre in India is 734 lbs. which is shockingly low compared with the U.S.A.'s 1,481 lbs. Japan's 2,307 lbs. ; Egypt's 2,079 lbs. and Italy's 3,000 lbs. Australia's example is even more impressive. Only 20 years have passed since the first acre of rice was planted in Australia, within five years rice became a well-established crop in the Dominion yielding 4,082 lbs. an acre. . . ."

"Production per acre must be increased . . . Some experts calculate that if only 18 million acres of irrigated rice were adequately manured the imports from Burma could be easily replaced. For manure India needs a million tons of sulphate of ammonia per annum, she produces 28,000 tons of which only 16,000 tons are available for agricultural purpose."

"The United Nations' Food Conference agreed that, Government which need fertilizers should be supplied with them subject to the exigencies of war. Cannot this resolution be used ? Not a great deal of shipping space would be needed for importing machinery capable of producing 1000 tons of manure per day. . . capital for such an enterprise should not be lacking under present conditions, nor should it be difficult to engage expert staff. . . ."

We must make due allowance for the abnormal times through which we are passing and accede that in these days of war, the question and the petty problems of the civil population may not receive their due share of attention from public authorities. But even after making such allowances, one cannot restrain himself from remarking that Governments and other Public Bodies in this country have evinced during the war period a deplorable lack of practical vision and administrative efficiency. The following extracts culled from the "*Statesman*" of Calcutta are worth quoting :—

"Scores of persons collapsing from under-nourishment are daily picked up from the streets, recorded death among starvation cases in hospitals between August 16 and August 25 were 143 ; 155 dead bodies are known to have been removed from the public thoroughfares by the authorities' new Corpse Disposal squad during the 10 days ending on August 24, during week ending August 21 mortality was 1,129 as against an average of 574 in the corresponding weeks of the previous five years." 29.8.43 (The statement refers to Cal.)

The *Statesman* does not conceal its feelings against the Administration—both of Bengal and of her metropolis, Calcutta—but rather bluntly says : "Most of their (Bengal ministers') energies from the war's outset have evidently been bent on petty intrigues and acrimony and manoeuvre for the spoils of office. Her permanent officials, whether British or Indian, have shown unmistakable symptoms of infection by the pervasive provincial malaise, consequently they tend to lack imagination or grip. For incompetence and irresponsibility, the Corporation which runs the Municipal affairs of her capital is probably unexcelled in all Asia. In such elementary administrative obligations of war-time as food-rationing, rent control, conservancy, water supply, management of vagrancy, Bengal and particularly Calcutta have lagged shamefully behind standards set elsewhere."

The Government of India is not spared by the *Statesman*, as will be evident from the following extract : We find ourselves amazed, in retrospect, by the Government of India's lack of vision or consistency in this supreme and vital matter. From the military knowledge in their possession, a coming food-shortage and rocketing prices for primary commodities in Eastern India should have been clearly discernible to an alert

eye within their New Delhi organization from the moment of Japan's belligerence. Burma was weakly defended, loss of it and its rice exports must inevitably distort the fundamentals of trade in foodstuffs throughout the harassed Eastern Provinces threatened with invasion. Yet a full year was allowed to elapse before a Food Department at the Centre was even set up and all familiar with the functioning of bureaucracy would agree that no new Department can achieve much in the outer world during its first six months after birth." (8. 8. 48)

"The rice-eating inhabitants of this country may be poor creatures by comparison with its wheat-eaters, as seems to be New Delhi's prevailing assumption. But it so happens, from a turn last year in the wheel of global war, that some scores of millions of rice-eaters nowadays live within daily range of hostile air-raids, and in diminishing but continued risk of invasion by land or sea. They will presumably be living behind the Indian and British and American forces moving next autumn into Japanese-occupied Burma, should a major counter-offensive in this war-theatre be staged. Their physical and moral condition is thus an important military factor, a populace three parts starved is in no condition to support armies or resist dangerous rumours. On the contrary it may be a seed-bed for devastating epidemics of disease which spread to the troops. The Price of Bengal's staple diet, rice, stands some hundreds per cent above its pre-war level, reports suggest that in some areas rice is unavailable at any price. For some weeks emaciated human beings migrant from foodless areas in the mofussil have been dying on the streets of Bengal's capital reputedly the Empire's 'Second city'."

Mere criticism of the Government and public bodies is not an adequate explanation of the great crisis we are passing through. Public authorities may be inefficient or corrupt in a community where selfishness and callousness to human sufferings and lack of sympathy for and appreciation of neighbours' troubles are the general characteristics in the upper classes.

The food crisis in Bengal and elsewhere in India is a national crisis and scandal. Every individual and party, has and must give his full share of sacrifice if the crisis is to be tided over without serious injury to the vitals of the nation. Those dying or already dead are the backbone of Bengal's prosperity—the tillers of the soil on whose labours stand the edifices of our future weal. If our peasantry and village people are allowed to die out as they have begun, the food problem for Bengal will remain unsolved for years to come.

THE WAR OF TO-DAY

A Chronicle of the War

1939

SEPTEMBER 1. Germany invades Poland. 3. Following expiry of their ultimatum that Germany should withdraw from Poland, Britain and France declare war on Germany. 17. Soviet troops enter Eastern Poland. 27. Warsaw surrenders. NOVEMBER 30. Russia invades Finland, Helsinki bombed. DECEMBER 18. Battle of River Plate; German pocket battleship "Graf Spee" chased to Montevideo. 17. "Graf Spee" scuttled herself.

1940

MARCH 12. Russo-Finnish peace signed. APRIL 9. Germans invade Denmark and Norway. 15. British land in Norway near Narvik. MAY 10. Germany invades Holland, Belgium and Luxemburg. British and French enter Belgium. British troops land in Iceland. Mr. Chamberlain resigns. Mr. Churchill becomes Prime-Minister. 15. Holland surrenders. 28. Belgian army capitulates. JUNE 8-4. Evacuation of B. E. F. from Dunkirk completed. 10. British Evacuation of Norway announced. Italy declares war on Britain and France. 14. Germans enter Paris. 17. Marshal Petain forms Cabinet. After "cease fire" France asks for terms. 21. French plenipotentiaries receive German armistice terms. 28. "Britain will fight on," says Churchill. JULY 1. French Government decides to move to Vichy. AUGUST 25. British bomb Berlin for the first time. 26-27. First all-night German raid on London. SEPTEMBER 3. Britain agrees to lease sea and air bases to U. S. for 99 years for transfer of 50 destroyers. 7-8 Opening of German air blitz; heavy attacks on Thames side; 806 killed, 1,387 seriously injured. 15. 185 German planes brought down. 27. Ten-year pact between Germany, Italy and Japan signed in Berlin. OCTOBER 28. Italy invades Greece. NOVEMBER 11-12. Fleet Air Arm attacks Taranto. DECEMBER 9. Western Desert offensive opens. 29-30 Luftwaffe's attempt to set fire to London.

1941

MARCH 9. Italians invade Albania. 11. Lease-Lend Bill signed by U. S. President. 27. Capture of Keren. APRIL 1. Battle of Cape Matapan. 9. Pro-Axis *coup* in Iraq by Rashid Ali. 6. Germans invade Greece and Yugoslavia, landing of British and Imperial forces in Greece announced. 18. Russo-Japanese pact of neutrality. MAY 5. Haile Selassie enters Addis Ababa. 10. Rudolf Hess flies to Scotland. 19. Duke of Aosta surrenders, end of Italian East Africa. 20. Germans invade Crete. 24. British battle-cruiser "Hood" sunk by "Bismarck". 27. "Hood" avenged, British sink German battleship "Bismarck". 30. Iraqi revolt collapses, Rashid Ali flees to Persia, armistice signed between Iraq and Britain. JUNE 8. Imperial and Free French forces enter Syria. 11-12. Heavy raids on Ruhr and Rhineland begin. 18. Germany and Turkey sign treaty of friendship and non-aggression. 22. Germany invades U. S. S. R. JULY 12. Anglo-Soviet agreement signed in Moscow for mutual aid against Hitlerite Germany, with no separate peace. AUGUST 14. Mr. Attlee broadcasts news of Churchill-Roosevelt meeting in the North Atlantic, and the Atlantic Charter. 25. British and Russian troops enter Persia. NOVEMBER 14. H. M. S. "Ark Royal" sinks off Gibraltar after torpedo attack. 18. Imperial forces take offensive in Libya, Eighth Army advance into Cyrenaica. DECEMBER 7. Japanese aircraft attack U. S. bases at Pearl Harbour and other places in Hawaii. 7-8. Japanese land in Siam and Malaya. 9. China declares war on Germany and Italy. 10. H. M. S. *Prince of Wales* and H. M. S. *Repulse*, sunk by Japanese air bombing off Malayan coast. 11. Italy and Germany declare war on U. S. 28. Mr. Churchill in Washington. 25. Hong-Kong surrenders.

1942

JANUARY 1. Twenty-six nations sign pact in Washington to wage united war against Axis and make no separate peace. 10-11. Japanese invasion of Netherlands East Indies. 28. U. S. and Dutch air and naval

forces attack Japanese convoy in Macassar Straits. Fifteen transports sunk, 22 damaged. FEBRUARY 9. Generalissimo and Madame Chiang Kai-shek visit Delhi. 15. Singapore surrenders. MARCH 3. General MacArthur's air force sinks thousands of troops in transports and 800,000 tons of Japanese shipping in Subic Bay. 7. Rangoon evacuated, British forces withdraw. APRIL 5. Japanese lose 27 out of 75 planes in raid on Colombo. 6. First air-raids in India, Japanese drop bombs on Coconada and Vizagapatam. 9. American and Filipino forces on Bataan peninsula, Philippines, surrender. H. M. cruisers "Dorsetshire" and "Cornwall" and aircraft-carrier "Hermes" sunk by Japanese planes in Indian Ocean. 18. Tokyo bombed by U. S. bombers. 22. American forces reported in India by Colonel Johnson. MAY 4. U. S. forces inflict crushing defeat on Japanese in sea and air battle off Solomons and in Coral sea. 5. British land on Madagascar. 26. Twenty-year Anglo-Soviet treaty signed in London, providing full collaboration during and after war. 30-31. R. A. F. raid Cologne with 1,180 bombers (losing 44) causing enormous destruction. JUNE 1-2. R. A. F. raid Essen with 1,086 bombers (85 lost). 18. Mr. Churchill in U. S. A. 25-26. R. A. F. raid Bremen with over 1,000 bombers (losing 52 planes). JULY 1. Germans reach El Alamein, 70 miles from Alexandria. AUGUST 12. Mr. Churchill arrives in Moscow. 19. Nine-hour Commando Raid on Dieppe. 31. Germans within 15 miles of Stalingrad. SEPTEMBER 2. Dusseldorf raided with 8,000 lb. bombs. OCTOBER 11. Japanese naval forces landing reinforcements on Guadalcanal, Solomons, forced to withdraw. 23. In Egypt Eighth Army opens offensive. NOVEMBER 8. In Egypt Axis forces begin retreat. 5. Armistice signed in Madagascar. 8. Allied forces land in North Africa. 18. Japanese expedition in force is engaged by U. S. Navy off Guadalcanar and forced to withdraw. 24. Australians reach Buna in Papua, New Guinea. 27. Germans enter Toulon, French warships scuttled by their crew. 28. R. A. F. raid Turin using 8,000 lb. bombs. 30. Japanese convoy of troop transports reinforcing Guadalcanar engaged by U. S. Navy. 12 large enemy destroyers (or cruisers), 4 destroyers, 2 transports and a cargo ship sunk. DECEMBER 21. British and Indian troops cross frontier into Burma.

1943

JANUARY 17. Iraq declares war against Axis. 23. Eighth Army takes Tripoli. 26. Mr. Churchill and Mr. Roosevelt conclude their ten-day conference at Cassablanca. FEBRUARY 2. Mr. Churchill in Turkey. Adana agreement. 8. Battle of Stalingrad ends in Russian victory. 9. Japs evacuate Guadalcanar. 28. Eighth Army pierces Mareth Line. MARCH 4. Battle of Bismarck sea. Jap convoy of 22 ships knocked out. MAY 7. Allies capture Tunis and Bizerta. 9. Conclusion of Arakan operations announced. 11. U. S. forces land on Attu. 12. Tunisian fighting ends. Churchill's arrival in Washington announced. 16. Mohne and Eder dams in Germany breached by R. A. F. 22. Wingate Party's return announced, from 1,000 mile expedition into enemy occupied Burma. Russia's dissolution of Third International. 27. Chinese launch offensive along north bank of the Yangtse. JUNE 10. Allies occupy Pantelleria. 12. Chinese capture Kinhsa, the "Bomb-Tokyo" air base. JULY 1. Allied offensive in South-west pacific. 4. General MacArthur opens operations in New Guinea. 10. Allied forces land in Sicily. 18. Rome bombed. 19. Hitler-Mussolini meeting. 25. Mussolini resigns. Marshal Badoglio becomes Prime Minister of Italy. 30. General Eisenhower's peace offer to Italy. AUGUST 1. Mass

raid by U. S. bombers on Ploesti oilfield in Rumania. 2. Death of Dr. Lin Sen. President of China. Another great air raid on Hamburg. 4. Orel evacuated by Germans. 5. Fall of Catania in Sicily. Fascist organisation disbanded; title of "Il Duce" abolished. Russians recapture Byelgorod. 7. State of siege extended over whole of Italy; Fascist Party's funds frozen. 11. Mr. Churchill's arrival in Canada announced. 14. Allied military talks in Quebec. 15. Russians capture Karachey. 17. U. S. forces enter Messina, Sicily falls. 20. Lipari and Stromboli islands surrender to Americans. 21. American and Canadian troops occupy Kiska in the Aleutians. 22. Litvinoff relieved of Ambassadorship in U. S. 23. Kharkov captured by Russians. 24. Churchill-Roosevelt statement on Quebec Conference results. 25. Mr. Roosevelt in Ottawa, addresses Canadian Parliament. 26. Red Army smashing its way into Ukraine. 28. Death of King Boris of Bulgaria. 29. Great trouble in Denmark, warships scuttled, King interned. 30. Germans evacuate Taganrog. 31. Stalin announces entry of Russian troops into N. Ukraine. Churchill's broadcast from Quebec. Hints at conference of three major Powers. SEPTEMBER 3. Armistice between Allies and Italy signed. 8. Allied landing in Italy. Italy surrenders unconditionally. 18. Japanese base of Lae in New Guinea captured by Australian troops under MacArthur.

The Prospects of Peace

The air seems to be surcharged with talks of and gossips about peace. The favourable turn in the course of the war in the west—the rout of the Axis from Africa, Allied capture of Sicily and their landings on Italy proper and above all, prolonged absence of any victory in any of the major battles against Russia since the winter of 1941-42 and the bubbling away of the much talked of 1943 German Spring offensive against the Soviet—has made the war-weary world to believe in and hope for an early victory for the Allied powers. Responsible quarters in London or Washington are not only not optimistic but have thought fit to express themselves to the effect that a long war is still ahead of us. The minimum duration of the war in the west has not yet been even roughly computed or estimated, while in regard to the war in the East the comity of authoritative views lies in the prediction of a long and determined resistance by Japan.

From newspaper reports the lay public have had a cumulatively increasing evidence of growing Axis weakness. The following points—rather facts—would undoubtedly tend to prove this :

1. Sudden increase in Allied air strength and supremacy as evidenced in North Africa and Sicily and in Germany's inability to take effective retaliation against the mass bombing of Industrial centres in Germany and Italy;
2. the fact that the Allies have survived the colossal shipping losses of 1942—12 million tons, we are told ;
- 3 improvement in Allied fight against submarine menace ;
4. the dogged tenacity of the Red Army which not only survived the repeated onslaughts of the entire German war machine on land but has been fighting to the advantage, Hitler's whilom victorious divisions ;
5. the withdrawal of the Axis from Egypt, Lybia and Tunisia and their failure to take Stalingrad and the Caucasus regions have practically eliminated the chance of any link between the Eastern and the Western ends of the Axis.
6. Japan has lost her air superiority in the Pacific.

All the above facts point to better things in future for Allied cause. But guarded optimism is the best security against unwary disappointment.

We, therefore, give below certain points—pros and cons alike—in order that our readers may judge things for themselves :

Cons

1. Germany's material strength still remains unaffected. Of food and raw materials, she has now plenty and there is no dearth of man-power as Germany is exploiting at least 50 million persons—of whom 20 million might have been absorbed in German war efforts—in the vanquished countries.

2. The conquest of Dutch East Indies, Malaya, Phillippines, and Burma has tremendously increased Japan's access to material strength. Except for Iron and Steel Japan is more or less self-sufficient. She can fight a long war and time may favour her as much as it favours the Allies.

3. German defeats in the east may be strategic withdrawals, a deliberate cutting short of the front.

Pros

1. The German army which had fought marvellously under the stimulus of victory has learned to their bitter experience major defeats. The morale of the Axis army has been more seriously shaken than that of the British army after Dunkirk or Singapore. The Allies have worked out their victories through defeats while the Axis defeats have come out of and because of their victories.

2. Allied landing on and conquest of Sicily without encountering serious Axis opposition point to unmistakable signs of Axis weakness—both in naval and aerial war-fare. The Axis, in fact, allowed themselves to miss a rare opportunity of taking heavy tolls of about 2000 vessels employed by the Allies in the Sicilian operations. Over and above this, Mussolini's abdication and the collapse of Italian resistance have brought the Allied Army on the continent of Europe. Victory and peace in the West may not be far off.

3. Axis war industries are coming nearer everyday within effective bombing range of the Allied bombers, whereas the main arsenal of the Allies—U. S. A.—is inaccessible to Axis bombers from east and west alike.

4. Germany's failure to effect military collapse of Russia and her reverses in Russia point to chances of Nazi collapse.

Without running the risk of expressing a definite opinion, one may, however, hope that the war in the west will not go beyond two more summers ; and that in the east not more than seven, if things go on as they are going. There appears to be a definite turn towards the better. This may be the beginning of an end that may be long to come.

WAR IN EUROPE

The Invasion of Poland : The present war commenced with Germany invading Poland on Sept. 1, 1939, on the expiry of the so-called German ultimatum to Poland regarding the return of Danzig and the Corridor to Germany. Britain and France had already guaranteed military assistance to Poland in case of aggression. The British Prime Minister, therefore, presented an ultimatum to Germany for withdrawing the invading army from Poland.

On the expiry of the period of the ultimatum, Britain declared war against Germany as from 3. 9. 39., and France joined Britain. But Britain or France could not send military assistance to Poland as the Polish Port on the Baltic had been rendered fatally dangerous to shipping. Poland was invaded from three sides—from the north, from east Prussia and from the south-west (i. e., from Silesia). In the Polish campaign the Germans delivered measured blows. Before the attack on land had taken definite shape, German aircraft destroyed Polish aerodromes and greater part of petrol storage and wells. The Poles fought bravely but they could not withstand the highly mechanized German Army, which was advancing in perfect co-ordination with the air force. By the 10th of September the German forces from the north and the south-east approached the capital and threatened to cut off the Polish Army in the Posen region. The Corridor and the southern portion of Poland had by then been occupied and the German forces were almost at the gates of Warsaw. On the 17th September Soviet troops crossed the Polish frontier on the plea that Polish resistance had collapsed and that Poland was a no man's land. Warsaw held out till the 27th September and Hella Peninsula till October 1. By an agreement between themselves Germany and Soviet Russia divided Polish territory between themselves and thereby wiped the Polish State off the map.

The Battle in No Man's Land (between Siegfried and Maginot Lines) : When the German had invaded Poland, it was believed by the French Command that there were very few troops in the Siegfried Line. Acting on this assumption the French Army moved out of their stronghold, Maginot Line, and began to advance into the no man's land. In a few weeks' time the French army in fact pressed into the German soil. Saarbrücken was on the point of falling into the hands of the French. After the conclusion of the Polish war the Germans began to retort to the French initiative with guns and sometimes cannon duelling took place. Throughout the months of winter there were here and there small local skirmishes between detachments of both the sides. But no important engagement took place. Meanwhile, General Gamelin, the Generalissimo of the Allied Forces, thought it prudent not to press his initial and cautious offensive, which had been commenced during the first week of September. The battle in no man's land comprised minor military incidents and local skirmishes. This state of things continued up to April, 1940.

The Battle of Norway ; On April 9, Germany invaded and occupied the whole of Denmark and effected landing of German troops in the western parts of Norway from Narvik to Bergen as also in the capital Oslo. The reason why the German High Command had invaded Norway was given out to be that the British mining of Norwegian territorial waters on April 8, had been a violation of Norwegian neutrality and that the German Army was landed in Norway in order to protect that country. The Norwegian campaign, it must be admitted, was one of great daring and risk. For the movements of troops, both ships and aircraft acted in perfect combination. The Germans, for the time being, ignored the risk that there was the British Navy to negotiate and in fact in the course of four days the German Navy was reduced by a third of its total strength. Due to the treachery of Quisling and his followers, the Norwegian army could not take any effective action at the start. But when they could realize the situation they resisted the invader. Meanwhile, British troops effected landings at several places in

Norway by the 15th of April. Sporadic fights took place in many places of Norway till by the beginning of May the world was surprised with the announcement of the late Mr. Chamberlain that it had been found necessary to withdraw British forces from southern Norway.

The Battle of Holland, Belgium and France: On the 10th May, the German Army simultaneously invaded Holland, Belgium, and Luxemburg. The plea for the invasion of Holland and Belgium was that Germany had obtained reliable information that these countries were on the point of being invaded by Britain and France and that German Armies were sent to protect the countries. Both Holland and Belgium offered heroic resistance but could not stand before the perfectly organized German Army with thousands of tanks and enormous mechanized units. The new features of the invasion of Belgium and Holland were the dropping of parachute troops and the employment of rubber boats for transport of troops on rivers. After four days of the invasion, the Dutch High Command found themselves compelled to order "cease fire", but the heroic Belgian Army under the leadership of King Leopold persisted their opposition, and lost lives and materials enormously.

In a few days the Germans took Brussels and Antwerp and broke through the hastily constructed extension of the Maginot line between France and Belgium. Then the German offensive turned towards the Channel ports and gradually penetrated the rear of the Allied army. Arras and Amiens fell. The Allied troops advanced along a front extending from the North Sea to the Moselle for aiding the invaded countries. The Germans violently thrust at the French lines from Longway to the Moselle. After breaking through the Belgian section of the Maginot line a huge mass of German army rushed into France. By May 16, the Battle of the Meuse was raging fiercely, and Abbeville and Boulogne fell. On May 26, the Germans were in Calais. The situation suddenly grew increasingly grave for the Allies, when the Belgian army under King Leopold surrendered without giving notice to the Allies. The British Expeditionary Force was in immediate danger of annihilation as their left flank was suddenly exposed to the enemy by the unexpected surrender of the Belgian army. The British army, therefore, continued rearguard action in its retreat to Dunkirk and supported by R. A. F., and the French and the British Navy, about 850,000 British troops were rescued from Dunkirk. The withdrawal from Dunkirk, which has been characterized by Mr. Churchill, as a "miracle of deliverance" involved the services of more than 1000 British ships of all descriptions and size.

On the third of June, Paris was bombed by 800 Nazi raiders and Dunkirk was abandoned to the enemy. On June 8, the Germans launched a great attack on a 60-mile front from Aumale to Noyon and compelled the French to withdraw. By the 11th the Germans reached Seine, on the 12th Rheims fell and on the 14th Germans entered Paris. But before the German entry into Paris, French troops had been withdrawn by arrangement, in order to save the city from destruction. On June 17, Marshal Petain announced that France must give up fight. In the battle of France Germany employed the largest mechanized army hitherto used by any Power. Before the fall of Paris the Germans had massed more than 90 divisions of mechanized troops in their steam-roller advance towards the south. The Battle of Holland, Belgium and France may be said to be the greatest battle to that date. At no other period of history have so extensive areas been captured in the course of only six weeks. In the great battle of Holland, Belgium, and

France, total war had achieved the object for which the German military machine had been so secretly, carefully, scientifically and elaborately prepared and perfected. The collapse of France, Belgium, and Holland increased the responsibilities of the British Navy and the R.A.F. Germany was now able to construct air and naval bases on the Channel and the Atlantic and in the vicinity of the British Isles. The defection of the French Navy caused maximum pressure on the British Navy, while in Africa, Britain could no longer count upon the military co-operation of French colonial forces. But since the fall of France, the British Dominions have been sending help in men and materials on an ever-increasing scale, while the flow of aeroplanes, destroyers and other armaments and war materials from U.S.A. has increased week after week.

The Battle of the Balkans : By the end of October, 1940, Italy invaded Greece. On November 2, the Italian army in Albania pressed along two lines, from Kortiza in the south-east of Albania and from Argyrokaströ near the coast. On the coastal sector the Italians made good progress but the Greeks offered stubborn resistance to the pressure from Koritza. The season of the year and the natural environments of the areas where the Italians had to fight were most unfavourable. Moreover the Greeks, under inspiration from their able dictator General Metaxas, fought with valour and determination, and within a few weeks were able to turn the tide of the battle. The series of reverses suffered by the Italian army from December 1940 to April 1941 exposed the weakness of the Italian army and its command. With invasion of Greece, Britain declared her determination to help Greece with men and materials. The Greek island of Crete was given over to R. A. F. The British Navy, meanwhile, did its best to harass the Italian Navy transports in the Mediterranean and the Adriatic. The Greeks had fought back so nicely during January-March that, by the middle of March they occupied large portions of Italian territories in Albania. Mussolini had, as early as December 1940, realized the folly of his Greek expedition and the necessity of German collaboration for a quick victory in Greece. If Greece was to be invaded and conquered by Germany, she must be attacked in the German fashion, simultaneously from several directions and with large and overwhelming mechanized forces. But two days later there was a sudden change of Government—a *coup d'état* which placed the boy King Peter on the throne and practically nullified the recent Yugoslav-German treaty of friendship and collaboration. Hitler demanded an explanation and clarification of the situation. The new Government, which had received the support of Britain and America and had entered into a non-aggression pact with Soviet Russia on April 5, ignored the German ultimatum. The result was the simultaneous German invasion of Yugoslavia and Greece on 6th April through Roumania and Bulgaria. Before the measured and mighty strokes of the German army, the Yugoslav army could not stand for more than 10 or 12 days and ultimately surrendered. Britain had succeeded in landing large number of British troops in Greece and by the middle of April British and Greek troops fought side by side for stemming the German advance. But before the superior number and equipment of the invader, the Allies had to withdraw when the Greek army in the north surrendered and King George of Greece left Greece for Crete.

During the first 3 months of 1941, Italy found herself in a tight corner as a result of stubborn Greek resistance and later counter-offensive. German military intervention was felt to be the imperative need of the hour.

Germany first tried diplomatic means for settling the Greco-Italian quarrel, but failed. If Greece was to be invaded and conquered by Germany, she must be attacked in German fashion—must be overpowered in a few days under the compact of total war. It was found necessary for German troops to march through Yugoslavia, Bulgaria, and Roumania. The last two countries consented to the passing of German troops through their territories, and the Yugoslav Government after prolonged negotiations acceded to the Rome-Berlin pressure on 24th March, 1941. Two days later a *coup d'état* and a new Government with the boy king Peter placed on the throne changed the whole outlook. The new Government entered into a non-aggression pact with the Soviet and practically rescinded the newly formed alliance with Germany. Hitler demanded an explanation and held out an ultimatum which was ignored. On 6th April 1941, Germany simultaneously attacked Yugoslavia and Greece. The Yugoslavian army could not stand the measured and mighty strokes of the German army and surrendered within 10 to 12 days. Greek resistance continued. Britain had landed on Grecian soil an army of considerable strength to fight side by side with the Greeks. But before the superior number and equipment of the invader, the Allies had to withdraw. The Greek army in the north which had fought with conspicuous bravery surrendered on April 21, King George of Greece left for Crete and the British troops found themselves compelled to fly the enemy in rearguard action.

The Battle of Crete. Sometime after Italian invasion of Greece, Britain constructed air-bases in Crete and landed troops in force there. After British withdrawal from Greece Crete became a British strong-hold.

On May 20, 1941, 1,500 disguised Germans descended by parachutes on Crete and were mostly annihilated. This was followed by waves of para-troop-carrying planes which dropped over 30,000 German troops in the course of a week or so. Intensive and intermittent bombing by the Luftwaffe on land and on waters around the island compelled the British troops to withdraw from the island. The battle of Crete demonstrated that air-power could, when properly and intensively employed, negate the usefulness of naval force. For the British Navy lost a number of warships—destroyers and cruisers—when attempting to reinforce the island and to withdraw British troops from the island.

THE RUSSIAN FRONT

The decisive motive which led Hitler to launch his attack on Soviet Russia cannot yet be ascertained. Did he fear an attack from the East when he would be marshalling his forces for an invasion of England? Or has he not given up the dream of invading England and come to rely on the blockade to starve her into surrender, in which case he had Napoleon-like to force Russia into his Continental blocus? Or perhaps, whilst abandoning the dream of armed victory and hoping for a compromise peace, did he not plan extending his conquests so as to build up an economic area sufficiently large to establish his New European Order which would allow him to challenge invasion and famine? Whatever be his dominating motives, he launched his attack on Soviet Russia with the treachery and the surprise tactics which he has made the leading ideas of his strategy.

At 4 A. M. East European time on June 22, German land and air forces operating on a 1800 miles front from Finland to the Black Sea, advanced across the frontier. Italy, Roumania, Hungary declared war on the same day. Britain reacted with an offer of aid and alliance to the Soviet; the U. S. A. condemned the aggression in no uncertain terms. Turkey and Japan reasserted their neutrality. It was the fourth climacteric of the war; the other three turning points had been France's collapse, the air victory of England, the Lease and Lend Enactment of the U. S. A.

The German offensive consisted of four main drives: one through the Baltic States towards Leningrad, the second in Central Poland towards Minsk and in the general direction of Moscow; the third in Southern Poland towards Lwów and Kiev, the fourth in Bessarabia towards Odessa. After one month it became clear that the main German effort was made along the road from Smolensk to Moscow: on the N. W. no progress was made though Leningrad was threatened; to the south of the Pripet Marshes a halt had been called and in Ukraine the situation was confused; in the extreme south Russian Ukraine was not yet invaded whilst in the extreme north a movement round Lake Ladoga menaced to reach east of Leningrad. The Germans were at 850 miles from the East Prussian frontier and Russian mobilization was not yet completed.

On August 6, a special announcement by the German High Command recapitulated the German version of the operation; first in the Baltic zone where operations were led by Marshal von Leeb, German forces were said to have broken through South of Lake Peipus; in the Ukraine where Marshal von Rundstedt was in command had established a spearhead as far as Kiev, enabling the Germans to turn south on a broad front between the Dniester and the Dnieper and to cut off the Russians' retreat: further south Roumanian forces under General Antonescu had occupied Bessarabia and were moving north to join the German armies; on the Central front the army of von Bock had concluded the battle of Smolensk: on all fronts 895,000 prisoners had been captured and 18,146 tanks, 10,888 guns, and 9,082 planes had been destroyed or taken. On August 8, a reply was made by the Soviet Information Bureau which ridiculed the German claims and gave the German losses in killed, wounded and prisoners as 1,500,000, 6000 tanks, 7,000 guns and 6,000 planes compared with the Soviet losses: 600,000 casualties, 5,000 tanks, 7,000 guns and 4,000 planes. Communiqués with claims and counterclaims of losses were issued from time to time which never felt shy of astronomical figures and which confused public opinion; what is certain is that losses were very severe on both sides and that the Soviet had prepared for war to an unsuspected extent. Guerilla war proclaimed by Marshal Timoshenko was soon to add to the confusion and to carnage.

By September 22, the Germans had reached a line curving from east of Leningrad to Lake Ilmen, then to Smolensk, Gómel, and Gernikóv, then curving through Kiev and bending as far east as Dnepropetrovsk to recede towards Mariopol on the Azov Sea.

In spite of the bad weather, the battle went on with Nazi thrusts here and there keeping the front mobile. Hitler struck first and squarely at the centre which the Russians had to support with reserves taken from the two flanks; he then drove a wedge north-eastward which cut off Voroshilov's forces defending Leningrad; next he struck at the commander in the South, Marshal Budenny, a brave man but a poor strategist, who allowed a gap to

develope between his left and Marshal Timoshenko's right and so permitted the conquest of Ukraine and Crimea.

On and on went the Nazis hammering against the Russian front, reaching Rostov in south, reaching east of Leningrad, pushing two spearheads through Kalinin and Tula, north and south of Moscow; on they went urged by Hitler who felt impatient and fancied against the opinion of his generals that he could finish off the Soviet armies before the depth of winter. But winter was on before he had achieved any decisive results; tanks embedded in the mud were immobilised by the night frost, motors refused to work, soldiers were benumbed with cold. Even Hitler had to give in and order hibernation on a shorter and easier line. But breaking off in the midst of a battle and falling back on shorter lines is extremely dangerous before an enemy on the alert. Marshal Shaposhnikov, who is officially the Chief of Staff and always at Stalin's elbow, was prompt to judge the situation; he had saved Moscow, he attempted to change the Nazi retreat into a rout; thanks to a better equipment for winter fighting a clever journey, he scored many a local success. Yet he failed in his main purpose: he failed to disengage Leningrad; he did not retake Smolensk which would be as a fortress in front of Moscow; he did not succeed in putting the Dnieper river as a first class barrier between himself and the enemy.

In Southern Russia Timoshenko was badly outmanœuvred by von Bock's Blitz methods by the middle of August 1942. Bock succeeded in cutting a gap at an unlikely place—the Lower Don—and pushed his mechanized divisions southwards through this gap. For a time the wedge driven into the Russian line was 50 miles wide and one hundred miles deep. The western side of this wedge, "hinged on Rostov, was lengthened and forcefully swung westwards so as to jam the Russian forces against the shore of the Black Sea whilst mechanized divisions made a bold rush for the Caucasus range." The eastern side of the wedge was then shortened and bent eastwards between the Don and the Volga and a few motorized troops were detached towards Elista and Astrakhan. The Russian forces left in the Don bend were meanwhile threatened by troops fighting their way near Kalach. Thus Stalingrad was approached from North-West and South-West. A vast Russian army astride the Don was embarrassed with "a gigantic encircling movement." The famous battle for Stalingrad began in August 1942. The Russians started a counter-offensive at Rezhev for relieving the pressure on Stalingrad. By the middle of September the Germans were in Stalingrad and one of the bloodiest phases of the present war was enacted during the next two weeks. By the end of September an all-out Nazi attempt at break-through failed. This was the turning point in the battle of Stalingrad the defence of which city will remain as a classic among accounts of modern warfare. By the beginning of October, the battle for Stalingrad was given a new turn by the Nazi attempt to reach the Volga. Between Oct. 8 and Oct. 31 the fate of the city swang on the balance. Relief reached the heroic defenders of the city by the last day of October, 1942.

The Germans had occupied 24 out of 26 municipal districts in Stalingrad and the city's fate was considered sealed. But the seize of Stalingrad was raised by the end of November. "The defence of Stalingrad in its last stages was not only a matter of bravery, but it was one of the hardest problems of logistics; whatever solution was found reveals an imagination and technique truly remarkable." The phenomenal genius of Shaposhnikov, "Stalin's right-hand

man" was responsible for the incredible—the saving of Stalingrad. Timoshenko was replaced by Zukhv. By middle of November a Russian offensive was launched. A surprise pincer-movement encircled Stalingrad and trapped some 22 Nazi divisions. During summer of 1942, the Nazis had deeply penetrated into the Caucasus regions. But they could not maintain the volume or weight of their offensive as they had risked the best part of their eastern army on Stalingrad. By the beginning of December 1942 unmistakable signs of Nazi weakness were visible in the Eastern front. In the Caucasus regions they not only failed to take Gronzy oil fields and Tuapse, but suffered severe defeats near Ordzhonikidze.

This was followed by a Southern drive from the reaches of the Middle Don which gradually spread over the Don bend. A push from the south-east towards the Middle Don by the Russian army tended to eliminate the escape of Nazis from Don bend and Caucasus region. A stubborn fight ensued over a vast quadrilateral with apexes at Voronezh, Stalingrad, Mozdok and Tuapse. Suddenly on the central sector, battle flared up and Velikiye Luki was in Russian hands. The battle shifted south and a three-prong attack from south of Voronezh was made on the railway system based on Kharkov. In a few days Russian offensive flared throughout the whole of the 2000 mile front from Leningrad to Caucasus.

The Nazi defenders of Stalingrad fought bravely and long enough to give their Caucasus army time to fight their way back and escape through Rostov and the Kerch straits.

Before 1942 had been over the Russians recovered a part of the territory conquered by the Nazis during the summer. Early in 1943 they had broken though the old winter line and re-captured Kharkov, Kursk, Krasnograd and Pavlograd.

The Soviet offensive in the central and northern sectors made very significant gains in the recapture of Rzhev, Orel and Smolensk. On the South the Russians got baulked in their attempt to reach the Dnieper. They were thrown back by a Nazi counter-offensive which succeeded in the re-capture of Kharkov, and in pushing back the Russian line beyond Kharkov to the bank of the Donetz.

The much talked of 1943 Nazi summer offensive came off with von Kluge's plan to pinch off the bulge in the front of Kursk. A huge army with equally massive arms was deployed in a 10-day Nazi blow on the Kursk-Orel sector. The Nazis had to slow down their attacks and entrench themselves on the defensive. But the Russians would give no respite. While Kursk was firmly held, the Russians opened a three-pronged new offensive round Orel. The Nazi line was breached and the city isolated. By July the Nazis were thrown on the defensive and forced to withdraw from Orel, Bryansk and Kharkov sectors. Throughout 1943, the Nazi armies have shown a "remarkable mobility in getting out of tight corners."

WAR IN AFRICA, 1989-41

Lybia and Abyssinia: The collapse of France in June 1940, created unexpected difficulties for Britain in Africa, where she had been counting upon the co-operation of the French colonial troops. Hence, when superior Italian forces pressed in September 1940, Britain thought it prudent to

evacuate British Somaliland and certain outposts in Kenya and the Sudan. Some desert areas in Egypt were also allowed to be captured by Italian forces. British position in Africa was, however, strengthened quickly with the rushing of reinforcements from Britain and all parts of the Empire. By the end of Sept. 1940, the situation in North Africa was much improved and both Italian and British forces were preparing for a big action. Italy's only sea communication to Italian East Africa is through Suez and the Red Sea. Italy had set up something like a naval base on the Red Sea. But in a few months this base was rendered useless and the Red Sea was cleared of Italian warship and submarines. Eritrea and Abyssinia were, therefore, severely cut off from the mother country. The position in Libya was, however, not so bad as Italian shipping could now and then manage to escape the vigilance of the British Navy in the Mediterranean. Throughout the autumn of 1940, Britain had silently but substantially improved her military resources in North and East Africa, and on the 9th December, the British and Imperial Forces in Egypt opened a sudden offensive and drove the Italians out of Egyptian territories. Sidi Barrani and Sollum were re-captured, while certain Italian outposts on the Libyan border were occupied quickly with minimum losses to Britain and maximum losses in men and materials to the Duce's army. Since then Italian forces in East and North Africa suffered reverse after reverse and hundreds of thousands of Italians were taken prisoner. The British offensive in East Africa commenced in January 1941 and within about three months Britain not only shattered Duce's African Empire but succeeded in undermining Italian prestige in Africa and in the world. A series of British victories in Eritrea and Abyssinia in the first three months of 1941 resulted in the fall of Italy's Abyssinian Empire. Addis Ababa surrendered to the British forces during the first week of April 1941 and the Italian forces were holding out in the hilly regions. During the winter, German troops had succeeded in infiltrating into Libya, and on April 7, they took the British forces by surprise, and re-captured Benghazi, Sollum and a few other places in North Africa.

WAR IN AFRICA, 1941-42

By the end of Mar. 1941, British Somaliland was entirely freed of Italians. In Abyssinia, Haile Selassie returned to Addis Ababa on May 6. The Duke of Aosta, Governor-General of Abyssinia, surrendered with 7,000 men on May 20, and Gondar, the last hold of the Italians, held out for months and at last surrendered in August 1941. Italy's East African Empire was thus totally lost. In Libya General Rommel, as has already been noted, launched an unexpected offensive against the British by the first week of April, 41 and in about two weeks re-captured several towns and approached and threatened Tobruk. But the fort was held. From June 1941 to the end of the year no important military movement or event took place in Libya.

By the beginning of December '41 General Auchinleck's army began extensive offensive operations in Libya, capturing Sollum and Sidi Rezegh in a few days. After 5 days' heavy fighting the Axis forces were in full retreat in Eastern Cyrenaica by the third week of December. Derna and Mekill were occupied by the British Imperial forces on 20. 12. 41., and the capture of Benghazi on 27th December completed the British conquest of Cyrenaica. Bardia fell to the British on 2. 1. 42. and Sollum was taken on 14th January. But the advantages in Libya were short-lived and the British offensive did

not yield the expected results. General Rommel who had eluded the enemy escaped into stronger and safer positions. A Cairo communiqué of 28. 1. 42. gave the news that the German had retaken Jedabya, while a German communiqué of 30. 1. 42. announced the recapture of Benghazi by the Germans. But General Rommel did not press his advantages and halted for months for further reinforcements and consolidation of new positions.

By June 1942 General Rommel was sufficiently reinforced to launch a large-scale offensive. He directed a sharp attack but was balked in his outflanking movement by the British Imperial troops and the Free French General who held the key position of Bir Hakeim. This raised high hopes in Britain which were soon falsified when Rommel cut his way through the British mine-field in two gaps and managed to send supplies to his forward troops. He proceeded to force out his Bir Hakeim garrison and then moved North East and rushed against and took Tobruk and Bardia with one gigantic swoop and advanced Egypt-ward. Rommel's army had already advanced within 60 miles of Alexandria when British opposition stiffened and Rommel's speed was arrested. Alexandria, Middle East and the Suez area were now under the shadow of danger.

One of the puzzling mysteries in the present war is the passivity shown by Field-Marshal Rommel after his brilliant successes in Egypt. He got full three months' time to strengthen his new positions and consolidate his acquisitions in Egypt and Lybia. The Allies had, however, taken the maximum advantage of this period and had massed a specially trained and specially equipped army for a great counter-offensive against Rommel which began in October 1942. The Eighth Army swept the Nazi and Fascist back to the Lybian frontier across the Halfaya Pass-Sollumn line, past Tobruk, past Derna, Benghazi, Agedacia upto el-Aghelia. In a twelve-day offensive march the 8th army out-Rommelled Rommel. The Allies had definite advantages in the air and in tanks and weight of metals used. The British Navy and R.A.F. put in brilliant team work in interfering with Axis transports in the Mediterranean. In perfect synchrony with General Alexander's advance, British and American troops effected landings in French possessions in North Africa and over-powered the feeble French resistance. The Nazis rose to the occasion. The French Mediterranean coast was occupied, Corsica was taken over from the French and crack troops, guns and tanks were rushed to Tunisia by air and sea. Another Allied column marching from Lake Chad across the Sahara was on its move towards the Mediterranean.

The Eighth Army's advance through the Lybian deserts in pursuit of the retreating Rommel and his divisions surpassed anything that Rommel and his army had shown in June 1942. But Rommel's withdrawal was also a masterly piece of strategic retreat. By the middle of December 1942 there was some action at and around El Aghelia where the Axis army was at delaying tactics. The British advance along the Lybian and Tripolitanian coast was at first not rapid as necessary steps against Nazi outflanking parties involved delay. But when tanks and guns began to pour in on the South, "General Montgomery's men resumed their trek along the sea shore, beyond Sirle and beyond Horus and Tarhuna to the gates of Tripoli where a gruesome fight obliterated the last vestiges of Italy's African Empire." (January) By the 16th of January the 8th Army was again in contact with the enemy rearguards and the Axis withdrew from Buerat enabling the Allied troops to advance 50

miles. By the end of the 8th week of January the 8th Army was within 50 miles of Tripoli. The port of Horus was reached on the 19th January. Horus and Tarhuna were taken on the 20th and Romel's men retreated west of Tripoli. Three days later the fall of this city was announced and the 8th Army's westward advance continued uninterrupted resulting in the capture of Zuara on 26th January. By the end of January forward patrols crossed into Tunisian land while the 8th Army's advance was being continued as before.

The Germans took a definite stand from behind the Mareth line on eastern Tunisia. By the second week of February the 8th army with its men and arms was in Tunisia.

THE BATTLE OF TUNISIA

As has already been noted, simultaneously with the landing of Allied troops on French North Africa, Hitler had sent men, guns, tanks and planes to Tunisia—a French possession. Allied military genius gave a brilliant account of itself in hurriedly negotiating all military obstacles offered by the local French and in establishing lines of communications and supply bases in North Africa with a view to an immediate rush into Tunisia.

The work was nearly completed when Montgomery's heroic army crossed into Tunisia and established contact with the Allied regiments spread down the Tunisian mountain ranges. The first plan to rush towards Bizerta and Tunis was abandoned and "the second, to cut the Nazi forces into two, was also foiled by Rommel's surprise attack on American troops. French troops under General Giraud played their part well throughout February 1948. The Nazis gave a sudden blow which broke through the Kasserine pass and got near to Tebessa (February) on the Southern flank of the first Army. The position was soon re-established. Later on Rommel sallied forth from the Mareth line but his forces had to retire after being badly mauled. The Eighth Army, in the meantime, established a bridge-head across the Mareth line from its desert bases towards el Hamma. The Americans made a rush for Gafsa and Maknassy towards the coast. Nothing could now stop the Eighth Army which successfully pushed through the Gabes gap. On the Mareth front Montgomery began an attack on the sea-ward side and then feinted a frontal assault. Then suddenly he swung his striking force round the Matamara hills (March) and cut a gap in Nazi lines. The Nazis withdrew, with a loss of 8000 prisoners, to take their stand once again on a position near Wadi Akarit, where Montgomery with the help of concentrated gunfire cut two breaches in the front and as the enemy was marching his troops about the gap on the right, Montgomery poured through the other gap under cover of darkness, his infantry and armoured divisions which fanned out and made a havoc of the Nazi rear. 7,000 prisoners were taken. It was a major defeat for Rommel.

Placed in a tight corner, Rommel was quick to get out in his characteristic way and made a rush towards the North with the 8th. Army in hot pursuit of him, and succeeded in escaping the French and the Americans emerging out of Kairouan. The First Army under General Eisenhower now delivered a severe attack regaining much of the lost grounds while the 8th. Army rushed men and equipment for a further push beyond Enfidaville. The Axis Army estimated at 200,000 stretched along a 180-mile curve in front of Bizerta and Tunis.

"The last stage of the Tunisian Campaign was a quick succession of victories. The Eighth Army had reached Enfidaville behind which von Arnim had established a powerful line bristling with guns and mines and resting on the sea-coast and Zaghuan plateau." The British Army under General Alexander, however, attacked to the centre and the left of the Allied line instead of launching a direct assault. The Americans advanced along the northern coast-line towards Bizerta, the British progressed through the Medjerda Valley, while the French hacked their way through the Zaghuan plateau. Success was near and it came earlier than anticipated. Bizerta and Tunis fell on May 7. Organised Nazi resistance was over. Von Arnim himself with his staff surrendered to the Fourth Indian Division—the elusive Rommel had flown to Berlin. The enemy left more than 100,000 prisoners. The successes in Libya and Tunisia have brought to relief the military potentialities of general Montgomery. He has shown speed, efficiency and boldness of military vision unparalleled in the annals of desert warfare. He has out-Rommelled Rommel.

The fall of Tunisia marked the beginning of a new phase in Allied Grand Strategy in the west. It was the starting point of the Allied offensive on southern Europe which followed in a few weeks.

WAR IN THE FAR EAST

THE PACIFIC OUTBURST

The December 7, 1941 is 'a date which will live in infamy'; one hour before the Japanese Ambassador in Washington delivered to the U. S. A. Secretary of State a note discounting diplomatic relations, air squadrons had started bombing Pearl Harbour in Okahu island; considering the distance between Japan and the Hawaiian islands, the attack had been deliberately planned days and weeks in advance. The damage to the American fleet was severe. At the same time, an attack was launched against Malaya, and soon against Hong-kong, against Guam, Wake island, Midway island and the Philippines; the Japanese outburst had spread throughout the whole Pacific area.

The reaction was prompt; the U. S. A. rallied as one man round the President and accepted the war with unanimous enthusiasm. The President declared war against Japan, Germany and Italy. Britain, Holland and all the Allies denounced Japan as an enemy. Soviet Russia alone remained neutral *vis-a-vis* Japan. The war had become a world war.

Japan's initial success was rapid; her effort, apart from the attacks on Hong-Kong, Pearl Harbour, Midway island, Guam and Wake islands which were to weaken the Allied sea power, was directed to the conquest of the Philippines, the Malaya Peninsula, the Netherlands East Indies and Burma. Everywhere the same plan was followed; Japan had rehearsed and perfected her tactics and weapons in the China Incident, she had drilled a select body of soldiers (something between 800,000 and 500,000) with Spartan austerity, she timed her attacks with treacherous alertness. She took full advantage of the surprise element and profited a great deal from working on inner lines of communications; she had from the first full unity of the High Command which the Allies took time to establish. The last factor of her tactical success lies in the extraordinary mobility of her shock troops in land operations.

These troops reduce their clothing, equipment, and commissariat to bare necessities and they rely on lightning marches through impossible places ; such mobility yields best results in islands which can be invaded from many points at a time and against fronts which lack continuity. The Japanese could always choose their battlefields, impose their plans, and throw in more men and material, better trained men and more suitable material at any moment and on any shore than the Allies ever could. Their success does not justify the fancy that they are invincible or that they have uniformly superior equipment or weapons ; but their fleet and air force have shattered any complacent contempt of them. As the Nazis underestimated the Russian war potential, the Allied public opinion entertained facile delusions about Japan's power ; the 'Little Men of the East' are redoubtable adversaries.

The time table of their first 6 months' victories makes impressive reading : Pearl Harbour (Dec. 7) ; capture of Guam and Hong-Kong (Dec. 18) ; of Wake Island (Dec. 27), Manila and Cavite (Jan. 8), Sarawak (Jan. 8) ; Singapore (Febr. 15), Batavia (March 6) ; Rangoon (March 9) ; Andaman Islands (March 25) ; Lashio (May 1), Mandalay (May 8), Corregidor (May 7), Akyab (May 8).

After the middle of May 1942, the Japanese offensive was arrested ; Japan devoted herself to organising and consolidating her conquests ; she passed to what is to be considered rather as defensive work, even in her repeated attacks on Chinese troops. What forced her to devote herself to organisation and defence was not only the fatigue of her armies, but the initiative of the U.S.A. The bombing of Japanese towns by American bombers necessitated wiping out any airfield near the China Coast and clearing all conquered territories from any nest of resistance ; the American victories off the Solomon islands, in the Coral sea, off Midway Island threw the Japanese on the defensive ; from that time her main preoccupation is with her own safety ; her landing on a fog-ridden Aleutian island has no other explanation. Japan is now organising her own defence throughout the broad zone she has conquered, the weakest point being the Vladivostok coast. This preoccupation allows the Allies some respite during which they may well prepare to wrest the offensive and to deal fatal blows in the jerry-built Japanese arsenal.

After the conquest of Burma in May 1942, the Japanese strategy, as has already been noted, passed from the offensive to the defensive. Gradual waning of Japan's air-supremacy in the Far East since June 1942, marks a corresponding rise in Allied air strength. In naval warfare too, the Allies, particularly U. S. A. have been concentrating increasing naval strength in the Pacific. As early as the summer of 1942 the U. S. Navy had successfully asserted itself—in collaboration with and largely because of air-force. The most important events—during the period from June to December 1942 in the Pacific War are :—June 8, Jap raid on Alaska ; June 18, Japanese landing on Aleutians ; July 28, Jap landing in Buna north of Papua ; November 18, Americans smash big Japanese attack in Solomons resulting in heavy naval losses for the Japanese ; December 16, Buna captured by the Allies in spite of Japanese attempts at landing.

There had been 'decisive victories' in the Pacific area,—“the Allied continuous advance on Buna and the occupation of the whole of New Guinea, but especially the major naval triumph off the Solomon Islands.” The Japanese “ring of defence has been broken at one vital link. On the other hand, their

naval power grows weaker with every battle, were it only because their facility of making good their losses in warships and transports cannot compare with the American volume of replacement and increase. Their land forces feel helpless against the elusive Chinese troops and their land attacks have become sporadic."

The Americans were at work in the Solomon islands, during the last two months of 1942. These islands are of great geo-strategic importance,—“this group of islands commands the approaches to Australia and the access to the Netherlands East Indies...With Australia as a supply base, a major offensive can be built against the Japanese from the Solomons and New Guinea.”

The Bismarck Sea battle concluded with a major victory for the U. S. A., though the Bismarck Sea battle was not exactly a naval battle. “But the fight was between the American Air force and the Japanese navy, and once more it was demonstrated that sea battles can be won from the air.”

The occupation of Attu Island by the Americans early in May 1943, “was a master stroke of American vision and courage”. With the Aleutians in their hands “the Allies can keep Japanese submarines away from the American coast, but what is more, they can also organise them as bases for their air offensive against Japan's war factories”.

By the end of July 1943, the Americans were in full control of the Aleutians, and all direct menace to American territory was removed. In the Solomons the Allied progress continued with daily local skirmishes and fleets always searching for each other. “Our most brilliant successes have been in the air, Wotwak was a record, of the 225 Japanese planes assembled, the first attack destroyed 120 on the ground, 8 in the air and damaged 80 on the ground, the next day's raid destroyed 29 out of 80 in the air, and then bombed the airfield to smithereens, all told 215 planes out of 225 in two days, a record made the more remarkable by our losses being limited to three planes. Once the Japanese air force was gone, the town and harbour were mercilessly bombed and the enemy fleet scattered.”

Important dates in the Pacific War during January to July 1943 are :

Dec. 31, Japs yield more ground to U. S. troops in Guadalcanar ; Australian guerillas active in Timor ; Jan. 3, Buna Mission taken by U. S. Army from the Japanese ; Jan. 5 ; Allies closing on Sananda ; Jan. 11, Four-day air-battle on Lae harbour, Japs lose 187 planes ; Jan. 12, Allied forces make further progress in Sananda ; Jan. 14, Japs attack U. S. positions in Guadalcanar ; Jan. 16, Allied troops break through at Sananda, Drive on Japs at Lae and Salamoa ; Jan. 17, U. S. Advance in Guadalcanar ; Jan. 19, Sananda point captured by the Allies ; mopping up of Japs in Guadalcanar ; Jan. 20, Allied push to Giruwa ; Jan. 23, Allied forces master of the whole S. New Guinea ; Jan. 24, fighting in Papua ceases ; Jan. 26, Japanese base in New Georgia group completely destroyed ; Jan. 31, Japs launch an attack on Mubo (S. Salamoa) and then withdraw ; Feb. 3, Naval skirmishes off Solomons. Feb. 4, Naval and air-battles in Guadalcanar ; Feb. 9, Japs evacuate Guadalcanar ; Feb. 12, Japs decisively defeated in Wan area ; Feb. 20, Jap planes over Sydney ; March 1, Large-scale and widespread Japanese concentrations north of Australia ; Japs in New Guinea driven back towards Mubo ; Mar. 5, Japanese naval rout ; Mar. 23, Japanese reverts in Papua. Intensive air bombing of Japanese positions in North and South Pacific throughout April ; May. 12, fighting flares up in Mubo area ; U. S. forces raid Attu Island in the Aleutians.

Severe fighting takes place ; the invading forces having landed on 11th. May ; May 30, Attu falls to the U. S. ; June 30, combined U. S. forces land in Rendova in Solomons ; July 3, Allied forces in sight of Salamoa in New Guinea ; July 8, Fresh landings in New Georgia ; July 10, Munda blockaded by land and sea ; July 16, Jap base in Mubo recaptured by Allies ; July 15, U. S. forces occupy Lababia island off N. E. New Guinea coast.

The Sino-Japanese War 1937-1942

Relations between China and Japan had been bitter since Japanese annexation of Manchuria in 1932, and Anti-Japanese feelings in China had been increasingly acute. Up to 1932 Japan had been enjoying the lion's share in China's foreign trade, but after the Manchurian expedition Japan found it increasingly difficult to retain her hold on China market. The result had been a state of protracted tension between the two Governments and their nationals. On July 7, 1937, a clash occurred at Marco Polo Bridge, 15 miles south of Peking, between the Chinese garrison and Japanese troops practising manoeuvres. Japan brought down 20,000 troops with equipment from Manchuria. The Japanese took Tientsin and then Peiping. Another Army corps marched against Shansi province. A second corps, going South, took Paoting and Chengting on the Railway. A third captured the railway in Shantung.

On August 9, 1937, the Chinese sentry shot down a Japanese Officer and Blue-Jacket who were alleged to be forcing their way into the military aerodrome at Hungjiao.

On August 11, 1937, a Japanese invasion fleet landed troops and guns in Shanghai and after three months' hard struggle with the Chinese army forced them to withdraw. Marshal Chiang Kai-Shek retired up the Yangtse to Nanking. But the operations spread to Soochow, Sungking, Kashing, Wusih and Nanking fell on 13th December 1937. Marshal Chiang moved his Headquarters to Hankow where supplies began to reach him by Canton-Hankow Railway.

In February 1938 the Japanese forces suffered great hardships at the hands of General Li Tsung-yen's armies and were held up for 4 months from the approach to Hankow by a huge lake formed by cutting the banks of the Yellow river. Japanese troops were later brought to the central sector by the Japanese navy and Kinkiang was captured. In October 1938, Canton fell and Chiang left Hankow for Chungking where the Head-Quarters of the Chinese Government have remained to this day.

In spite of the reverses of 1937 and 1938, Marshal Chiang Kai-Shek did not give way, but began to organise the human and material resources of the unoccupied territories as best as he could. New factories for munitions and supplies sprang up and supplies from Russia increased day by day.

On June 14, 1939 the Japanese placed electric barbed wire round the British concession in Tientsin and demanded the surrender of four Chinamen accused of murder and the return of silver deposited by the Chinese Government in a British Bank in Tientsin. The four men and a part of the silver were handed to the Japanese. The occupation of the island of Hainan near Hongkong in 1939 further strengthened Japanese position in south China. The year 1940 was very unfavourable for China. In June 1940 Ichang was taken by the

Japanese and here the invaders obtained an airbase very near to Chungking. Under pressure from the Japanese, the British Government closed the Burma Road in July 1940 and the main road for transport of foreign supplies was thus lost. Russia was now the only source of supply but as time went on Russian supplies diminished till after the conclusion of the non-aggression pact of 1941 between Japan and Soviet. Russian supplies fell off severely. Meanwhile after the fall of France in June 1940, Japan obtained foothold in French Indo-China and the blockade of China was complete. By 1941 the Japanese had secured command of nearly the whole of the coastal territories of China and most of the principal Chinese towns were in Japanese hands. After Japan's signing of the Tripartite pact with Germany and Italy on 27th September 1940, Japan's intentions began to be looked with fear and suspicion and in spite of the critical situation in Europe, Britain opened the Burma road and supplies from Britain and U. S. A. on an ever-increasing scale—based on liberal credit arrangement with these two countries—began to flow into China. By September 1941, the Japanese left Kwangsi and Foochow was re-taken by the Chinese. After Japan's declaration of war against U. S. A. and Britain, Marshal Chiang Kai-Shek and his China have ranged themselves on the Allied side. By the beginning of 1942 a large number of well-equipped Chinese troops entered Burma in order to fight the Japanese. In the battle of upper Burma the Chinese troops gave a brilliant account of themselves and even after the fall of Burma they were engaged in harassing the Japanese army in China. After about a month of Japan's entry into the war, world attention was focussed to the heroism of the Chinese troops who had for long four years fought the formidable Japanese invaders and had not given way. U. S. A. and Britain now recognized how great an ally China would be in the Far East battle. And General Wavell paid a short visit to Marshal Chiang Kai-Shek in order to discuss and collaborate on the Far Eastern Allied strategy. After the fall of Burma, the Burma road, particularly the only link between China and the West, has been closed. Plans for supply of war materials by air are now under contemplation.

SIXTH YEAR OF SINO-JAPANESE WAR*

7th July '42 to 6th July '43

"July, 7, 1942, saw the Chinese intensifying their attacks on enemy held key positions on the 500 kilometer front in Chekiang and Kiangsi. The Japanese launched a campaign in the middle of May, sweeping over central and western Chekiang in two weeks, capturing a number of important cities. At the end of the month, the Japanese began to move from Nanchang in Kiangsi province. By the first week in July the invading units from Chekiang and Kiangsi had met and gained temporary control of the Chekiang-Kiangsi railway. Chinese attacks, increasing in vigour in early August, resulted in the recovery of more than a dozen cities, including the air fields at Chuhsien, Lishui and other Chekiang cities. Meanwhile, Japan's wild dream of building a Tokyo-Singapore railway via the Shanghai Hangchow, Chekiang Kiangsi and Hunan Kwangsi railways and lines in Indo-China and Thailand was shattered after three months' futile efforts."

"The Japanese began their westward push in western Hupeh on May 18. Six days later the Chinese Air Force struck at the enemy supply bases and

* Adapted from *China Information Bulletin*.

river crossing at Chinkiang and Yangchi. Subsequent raids were made by Chinese and American planes in the Tungting Lake and Yangtze River areas. The operations were extended to regions around Hankow where locomotives, freight cars, Japanese soldiers, barrack, railroad yards and warehouses were attacked. Marshalling a force of 100,000 men, the enemy, after successful river-crossing operations, struck westward in three columns on the south bank of the Yangtze from Hwajung near the Hunan-Hupeh border, north of the Tungting Lake, Chihkiang, south-east of Ichang, and Itu, north-east of Chihkiang. In the initial stages of the fighting, the enemy land forces were supported by bombing planes in north Hunan, and paratroops were landed behind the Chinese line."

Operations began to intensify as the Japanese pressed further westward. 200 planes, 100 tanks and heavy artillery were employed. For the first time since the occupation of Ichang in June, 1940, the Japanese used gunboats in ferrying troops up the Yangtze as far as that river port.

"The Japanese drove westward stage by stage according to what appeared to be a well-drawn-up plan, hoping to liquidate Chinese field forces, to protect their rear and then secure bases for further advance. Following the fall of Yuyangkwan on May 23, about 60 crow kilometers south of Ichang, the Japanese concentrated their attacks on Changyang, due south of Ichang.Retiring step by step from the low-lying and lake districts for which the enemy was extremely well-equipped, the Chinese engaged the invaders in severe fighting in hilly regions."

"When the Japanese westward drive reached its height, the column striking westward from Hwajung to points north-west of Sinan had covered a distance of 105 kilometers, the column from Chihkiang had reached points north-west of Yuyangkwan, covering roughly a distance of 60 kilometers, the Itu column had occupied points west of Changyang, having covered a distance of 50 kilometers, and the units driving westward from points opposite Ichang had covered a distance of 25 kilometers. Strongly supported by Chinese and American planes, the Chinese on May 27 fought ferociously against the enemy in occupation of Yuyangkwan, wresting the pivotal base from the enemy two days later. Then began a general counter-attack on the entire front, the enemy being driven back piecemeal in all directions. Strategic points, including Changyang, Itu and Chihkiang in western Hupeh and Nansien and Ansiang in northern Hunan were recovered by the Chinese. The first week of June saw the Chinese still in hot pursuit of the retreating enemy."

Ever since the advent of 1943, hostilities have been widespread. At the beginning of the year, the Japanese, 60,000 strong, launched a headlong attack on the Chinese positions at Tapishan in Hupeh and after 24 days of severe fighting, the invaders were repulsed with heavy losses. At the same time they threw a strong force of nine divisions, including Thai troops, in a battle on the Yunnan border with a view to forestalling possible Allied attacks on Burma, but their attempt also ended in failure. Western Yunnan has since then been the scene of constant fighting.

"In early February, the Japanese launched the so-called spring offensive involving large-scale military activities in Kwangtung, Kiangsi, central Hupeh, eastern Shensi and other provinces. The enemy landed forces on the leased territory of Kwangchowwan on February 16. As a result of 40 days of stout resistance put up by Chinese defenders the Japanese offensives in

Kiangsi, Hunan, Anhwei, and Shantung ended in a rout. The month of March saw the opening of the Tungting Lake campaign. In April, hostilities were reported in the following ten provinces :—Chekiang, Hupeh, Honan, Hunan, Yunnan, Anhwei, Shansi, Kwangtung and Kiangsi as the Japanese intensified their offensives on various fronts in vain attempts to break down Chinese resistance. The offensives culminated in a major drive westward from western Hupeh towards Szechwan, in May, but stout Chinese resistance again foiled the attempt, which failed in early June."

BRITISH OFFENSIVE IN ARAKAN

Since October 1942, there had been in India preparations for and talks of an impending offensive in Burma. By November 1942, the British expeditionary forces crossed into Arakan division in Burma. By February, 1943, the British forces were well within Arakan, raising high hopes that General Wavell's promise to re-conquer Burma would be fulfilled. Absence of any Japanese resistance gave a feeling of easy optimism.

"In the early days of the campaign, during the advance from Maungdaw to Buthidaung and on to Rathedaung, surprise and somewhat tolerable communications allowed our troops to move at a satisfactory pace. But by the end of December the Japanese had had time to strengthen Akyab from which our limited forces failed to dislodge them, however much we improved our position in the Naungdaw-Buthidaung sector. The Japanese once more showed their superiority in infiltration tactics, the river transport of peace time was theirs, their sampans and light craft could be built faster than our bombers could destroy them, in a few weeks they had checked our advance and they soon came to threaten our communications, thanks to their quick unobtrusive outflanking movements, they pushed south of Buthidaung, crossed the Mayu river and endangered our lines down the Mayu peninsula. Our troops fell back on a line easier to defend."

"The explanations which army spokesmen in Delhi...circulated were even more disheartening than the news. Lack of shipping which precluded an early capture of Akyab, failure of sea and river transport to meet the requirements of a heavy commissariat, malaria which wrought havoc among the troops, insufficient training which fell short of jungle needs, all such explanations lead to the same dilemma, preparation of the campaign was bungled or, what is more probable, the manoeuvre was a large-scale feint."

JAPANESE BOMBING OF INDIAN CITIES AND TOWNS

On the 6th of April 1942, Japanese air-bombed Vizagpatam and Coconada, and three days later the harbour at Trincomalee (Ceylon) was raided. Chittagong had her first air raid on May 9, 1942. Thereafter for months Indian cities got respite from air-raids. The Allied Army's invasion of Arakan and North Burma by the end of the last year was the signal, as it were, for a series of air-raids on Indian cities—Calcutta, Chittagong, Feni, and a number of towns in Assam which had been receiving attention from Jap bombers even before Calcutta. The first air-raid on Calcutta took place on 20th December 1942, followed by three others in quick succession of which the one—on Christmas Eve—was the most prolonged and caused some civilian casualties and commotion among civil population. The last raid on greater Calcutta took place on 19th Jan. 1943.

The Grand Allied Offensive in Europe—1943

The final collapse of the Axis opposition in North Africa, May 1943, was in the first place a signal victory of the weight of Allied arms and in the second place it was a significant turn in the course of the war in the west. Stalin's persistent cries for the opening of a Second Front in Europe could now be heeded and responded to by Anglo-U.S. combine. Sicily and Southern Italy were brought within effective bombing ranges from North Africa. The Allies moved fast. The dwindling air strength of the Axis in the Mediterranean and the prolonged inaction of Mussolini's much-vaunted navy and its increasing fear of the British naval strength again converted the Mediterranean into a high road for British Navy and transports. But as a preparation for the coming assaults on southern Italy, Allied bombers and fleets began to pound Italian cities, air-fields and military targets in Pantelleria, Sicily and Southern Italy. Pantelleria was invaded and conquered in July. Sicily's turn came next. This island—the nearest to the mainland—possessed Italian air-fields and naval bases; and the Axis troops there were estimated at over 200,000 Italians and 60,000 Germans. Landings by Allied forces were effected in July—the navy and air force working in team—and giving cover to the invaders. Opposition before and after landing was remarkably weak.

"From the southern beaches, the going was easy westwards with the Italian divisions attacked in the rear, but northwards it was difficult and slow, both across the central ridge running east-west, and along the Catania road guarded by some of the best Nazi divisions. After the early capture of thousands of Italians, the battle became uneasy against the enemy position ranged round the Etna massif and the Nebrodi mountains and kept well supplied by convenient railways. Yet by dint of bravery and by sheer weight of ceaseless pounding, American, British and Canadian troops pushed their way through ravines and mountains on and on, throughout the day and the night. It was monotonous plodding until the Americans managed two or three landings in the rear of the retreating Italians and accelerated the pace into a run for Messina. The straits were too narrow to prevent the escape of the best Axis regiments."

EXIT MUSSOLINI—THE COLLAPSE OF ITALY

The news of Mussolini's abdication on July 24, of Duce'ship in favour of Marshal Badoglio came as a major surprise to the world though reports of unrest and discontents in Italy had been common throughout 1942-43. Mussolini's fall was regarded as a signal for the collapse of Fascist Italy. For some days strictest secrecy was maintained regarding what was passing between Marshal Badoglio and General Eisenhower, the Allied C-in-C. Rome had been bombed on July 23 and the Allied bombers had paid several mass visits to important Italian cities and towns in June—August 1943. The Italians had got shaken. Something was wrong with them. On the 3rd Sep. 1943, British and Canadian troops effected simultaneous landings in several places in southern Italy. Meanwhile immediately after Mussolini's fall, General Eisenhower had given an ultimatum to Italians demanding unconditional surrender. Negotiations for armistice were under way and terms were settled on September 8. The Armistice was effected on September 8.

German forces in considerable numbers are still in Italy. The Allies are in Southern Italy. Latest news put it that Germans have surrounded the

port and industrial area of Genoa, while Italian troops have taken position in Milan to guard the city against Germans. The Allies are landing in Italy in widespread areas and increasing numbers.

WAR ON SEA 1939-41

The Battle of the Atlantic, Sept. 1939 to Mar 1941 : Since the outbreak of the war on Sept. 3, 1939, a ceaseless and mighty battle has been raging on the seas around England, and on the Atlantic and from June 1940 to Aug. 1943, on the Mediterranean. The British Navy, which is equal in strength, tonnage and efficiency to any three European navies put together, has been working ceaselessly and silently. During the first three months of the war, German submarines took a heavy toll of British shipping, naval and mercantile. Both the British and French Navies continued to take toll of enemy submarines till May, 1940. The application of anti-magnetic mine devices by the British Navy by the winter of 1940 much reduced shipping losses. In spite of German submarines and air attacks on British coastal shipping, the British Navy offered excellent convoy to British and neutral shipping. German submarines were responsible for the sinking of two British battleships, and a number of merchant cruisers and destroyers, besides the loss of about a million tons of British, Allied and neutral shipping during the first four months of the war. By the middle of 1940, a very considerable number of German submarines was lost. Another German naval menace, the commerce raider, a type of moderate-sized, quick and elaborately equipped warship, known as pocket battle-ship, was overtaking unescorted British merchantmen in out of the way places in the Atlantic and elsewhere. The Graf Spee, one of these pocket battleships, which had systematically terrorised British merchantmen on a wide sea-board was successfully hunted out and brought to a fight with British cruisers. Graf Spee had to scuttle herself. Up to March 1941 there had been no major engagement between British and German Navy with the exception of the two great naval battles off Narvik. The weekly British shipping losses during 1939 and the first five months of 1940 were, however, much lighter than those during the great U-Boat campaign of 1916-17. From June 1940, the Channel ports now held by the Germans, enabled them to establish a number of air and submarine bases within striking range of the Atlantic and of the seas around the British Isles. The shipping losses of 1939-40 were, however, substantially made good by the addition of the fugitive ships from conquered countries of Europe and captured enemy vessels.

Shipping Losses : According to an Admiralty communiqué of 8. 4. 41, the average weekly loss of British shipping was 98,000 tons in March, and 85,000 tons in February 1941. The average weekly loss of the period from the commencement of the war to 31. 8. 41. was put at 66,748 tons. The total shipping lost for the corresponding period of the war excluding Dunkirk was 5,472,920 tons. The total Dunkirk figure was 117,289 tons making a gross total of 5,590,206 tons.

The total losses for the period of war up to 31. 8. 41. excluding Dunkirk are made up of as follows :—A possible 825 British ships totalling 3,517,462 tons, a possible 219 Allied ships (1,015,485 tons) and a possible 298 neutral ships (totalling 940,983 tons). The German and Italian shipping losses, as announced up to 31. 8. 41. were about 1,140,000 tons and about 800,000 tons respectively, including ships captured and scuttled.

1941-42

During the period from April 1941 to March 1942 there had not been any important naval engagement on the Atlantic except the encounter between the British naval units and the German super-Battleship *Bismarck*. The *Hood* was fired at from a distance of about 13 miles and the first shot proved fatal for her. But the subsequent avenging of the *Hood* is a great testimony to the fine team work of the British Navy and Air-force. The *Bismarck* was sunk after being hunted out and chased for 2,000 miles with the help of fast-moving aircraft carriers and a pack of battle-ships, cruisers and destroyers. R.A.F. and the British Navy put in together the finest team work, for the detection and destruction of the *Bismarck*, the newest and the most powerful battleship to that day.

In 1941-42 no other important naval battle took place on the Atlantic, and the Atlantic still continued to be the high road of British commerce in the face of increased U-boat menace. Owing to lack of sufficient number of big warships in the German Navy and the relative inefficiency of the Italian Navy, there has not as yet been any large-scale naval engagement like the battle of Jutland or the Battle of Heligoland during the War of 1914-18. Increased employment of U-boats by the German Navy resulted an Allied shipping losses throughout 1942.

Mass attack by submarines and combined submarine and aerial attacks are some of the latest methods used by the Germans on the Atlantic.

The shipping losses on the Allied side upto 31.3.41 are given below :

	No.	Tons.
April 1941	106	488,124
May "	98	461,828
June "	79	329,296
Total from Sept. 1939 to June 1941	1,738	7,118,122

Since July 1941 the monthly statements of shipping losses have been discontinued. It was announced by British Prime Minister in November 1941 that during July-October 1941, 750,000 tons of British, Allied and Neutral shipping had been lost.

Axis shipping losses from September 1939 to 21st August 1941 may be put at 4,000,000 tons.

MEDITERRANEAN

In the Mediterranean, the British Navy had been in supreme position all through 1940-43 and Mussolini's much-vaunted naval forces put in a miserable show when face to face with the British Navy. It, however, appears plausible that German and Italian air forces and German U-boats took considerable tolls of the British Navy. With Italy's declaration of war, the Italian Navy practically got bottled-up in the Mediterranean and after the great straining the Italian Navy received at the battles of Matapan, and Taranto there had not been any serious naval fight in the Mediterranean.

LATEST FIGURES OF NAVAL LOSSES

Lord Burntisfield, Parliamentary Secretary to the Admiralty gave the following figures of British Naval losses, on the 4th March 1943 :—

5 Capital Ships (Battleships); 7 Aircraft carriers; 25 Cruisers; 94 Destroyers; 14 Corvettes; 44 Submarines; 1 Monitor; 8 Sloops; 22 Mine Sweepers; 156 Trawlers; 14 Drifters; 1 Minelayer; 8 Yachts; 5 Gun boats; 3 Cutters.

AXIS NAVAL LOSSES

Axis naval losses since the beginning of the War were stated by Lord Bruntisfield, on 16. 8. 48, as :—

German losses—1 Battleship; 1 pocket battleship; 4 cruisers; 89 destroyers, and torpedo boats; 4 raiders and 69 other miscellaneous warship;

Italian losses—10 cruisers; 48 destroyers; and torpedo boats; 4 raiders, and 85 other miscellaneous warships.

Japanese losses—2 Battleships; 6 aircraft carriers; 17 cruisers; and 70 destroyers; Figures of miscellaneous naval vessels were not available.

LATEST FIGURES OF SHIPPING LOSSES

Allied Shipping Losses—Monthly statements of shipping losses issued by British authorities had been discontinued since July 1941. According to official U. S. Sources, the total Allied tonnage lost during 1942 was 12,000,000 tons which exceeded Allied construction by 1,000,000 tons.

Throughout 1942 U-boats exacted a very heavy toll on Allied shipping. Since April 1948, the U-boat menace has been progressively reduced.

A U. S. Navy Dept. Statement issued on 18. 8. '47 put the Japanese and U. S. Naval Losses as :

Japanese ships sunk—	71
do Damaged	108
	<hr/> 179

U. S. ships sunk—	84
do Damaged	5
	<hr/> 89

Axis Shipping Losses—It was officially announced in London on 6. 8. 48 that since Italy's entry into the war, 527 Axis vessels had been sunk in the Mediterranean. According to a statement by Mr. A. V. Alexander issued on 8. 8. 48, the total tonnage lost by German and Italians was 5,000,000, while 8,000,000 tons of German and Italian shipping were heavily damaged.

Mr. A. S. Drakeford, Australian Air Minister, in a statement dated 81-5-48, put the Japanese shipping losses at 446 vessels of 2,246,000 tons in all.

NAVAL BATTLES IN 1942-48

There had been no purely naval encounter worth the mention in the East or the West during 1942-48. The big battleships of the belligerent nations had all through the period been in the background probably because of the increasing deadliness in the hitting power of bombers. Naval losses during the period were principally inflicted by aircraft.

INCREASING ALLIED AIR STRENGTH

Allied air-raids both in the east and the west had increased in number, extent and deadliness. All the Allied victories in the Pacific, in Africa and in Europe were made possible because of the brilliant corporation of R. A. F. and U. S. A. F. the Allies are now the masters of the Air as they had been of the Seas. Mass air-raids by British and American bombers on German and Italian cities and towns are a general feature of European War in 1942-48. London has been avenged. There had been at least half a dozen 1000-bomber raids on German cities including Berlin.

"BRITISH and U. S. air forces and Allied anti-craft units destroyed a known total of 18,081 German, Italian and Japanese planes from the start of the war to the end of June, 1948."

WHO'S WHO IN INDIA

ABBASI, HASAN MOHIUDDIN, B.A., LL.B., Author, journalist and lawyer. Managing Editor, Amalgamated Press Bureau ; *b.* June 17, 1902 ; *s.* of Sh. Nazim Husain ; *m.* Amna Khatoon, Feb. 1926 ; *ed.* Allahabad and Aligarh ; joined District Bar, Allahabad 1927, enrolled Advocate, Allahabad High Court, 1931. Has been connected with Indian journalism for about 20 years. Was on the staff of the *Independent*, *Muslim Herald*, *Aligarh Mail*, *Daily-Chronicle*, *Statesman* (New Delhi) *Orient Press of India*, *Morning News*, "*Star of India*" and various other journals. Edited the *Dawn* and the *Daily Star*, Allahabad. Secretary, All-India Muslim Journalists' Association. *Ad.* 25, Prinsep Street, Calcutta.

ABDUL HAMID, SIR, C. I. E., O. B. E., Bar-at-Law, *b.* 1818 : *ed.* : Lahore and London. Served as Chief Minister, Kapurthala State. Delegate to League of Nations (1931). Nominated Member of the Indian Legislative Assembly. *Ad.* New Delhi.

ABDUL HAMID, M., M.B.E., *b.* 1896. *ed.* : Oxford and London. Principal, Mohammedan College, Madras ; Secy. Madras University Students' Information Bureau. *Ad.* Fort St. George, Madras.

ABDUR-RAHMAN, Hon'ble SIR Muhammad, LL. D., K. B., *ed.* : Delhi. Advocate, High Court. Lahore. Dean, Faculty of Law, Univ. of Delhi 1928-34, Vice-Chancellor of the University of Delhi (1930-34). Now Judge, Madras High Court. *Ad.* Madras.

ACHRATLAL, SETH HARIDAS, b. 1881, *ed.* : Bombay University, big mill-owner and philanthropist. President, Ahmedabad Mill-owners' Association, 1939. *Ad.* Vasant Bhuvan, Shahibag, Ahmedabad.

ADDISON, SIR JAMES, M. A., B. Sc. I.C.S., (Retd.), *b.* 1879, *ed.* Scotland.

Joined I. C. S., 1902. Became Puisne Judge, High Court, Lahore, 1917, retd. 1939. *Ad.* Nedou's Hotel, Lahore.

ADHIKARI, AGHORNATH, RAI BAHADUR, Fellow of the Royal Anthropological Institute of Great Britain and Ireland, *b.* 1865 at Pabna, *ed.* : Calcutta. Joined Provincial Service (Education) as head of a training institution. A witty speaker. *Pub.* *Bibidha Bidhan* and *Padartha Parichaya* (School Method in Bengali). *Ad.* 25, Hindusthan Park, Ballygunge, Calcutta.

AFZAL, K. ALI, Barrister-at-Law, Secretary to the Bengal Legislative Assembly, *b.* 1902, *s.* of late Khondkaa Fazl Rubbee of an ancient family in Bengal, *ed.* : Calcutta and London ; called to the Bar 1926, Middle Temple. Practised for some time at the Bar of the Judicial Committee and then at Allahabad High Court 1930 ; Asst. Secretary, Bengal Legislative Assembly 1933, Secretary 1937. Has travelled extensively in Europe and the Near East ; was connected with many social service movements. *Ad.* Legislative Assembly, Calcutta.

AGA KHAN, H. H. RIGHT HON. THE, AGA SULTAN MAHOMED SHAH, P. C., G. C. I. E., G. C. V. O., G. C. S. I., LL. D., *b.* 1875, Head of the Ismailia sect of Moslems. Status of first class Chief in India conferred for services during the last Great War of 1914-18. Elected President, League of Nations Assembly, 1937. Famous race horse owner. Has been in Switzerland since 1940. *Pub.* *India in Transition*. *Ad.* Aga Hall, Bombay.

AGARWAL, LALA GIRDHARILAL, B. A., *b.* 1878, *ed.* : Agra. Practises at Allahabad High Court and Federal Court of India. Industrialist. Member, Hindu Mahasabha

- (U. P.) Chamber of Commerce (U.P.), Hindu Law Research Society. Chairman, Agarwal Seva Samitis. *Ad.* 83, George Town, Allahabad.
- AHMAD, Dr. SIR ZIA-UDDIN, M. A.** (Cantab), PH. D., D. Sc., C. I. E., b. 1877. *ed* : Aligarh, Cambridge, Paris, Bologna, Al-Azhar (Cairo), Gottingen and Allahabad. Vice-Chancellor, Aligarh University. 1935-38 and again 1941; Member, Legislative Assembly (Central). A noted mathematician. *Pub. Systems of Education in Europe, System of Examination Indian Railways.* *Ad.* "Zia Manzil," Marris Road, Aligarh.
- AHMED, The Hon. SIR SULTAN, Kt., D. L., Bar-at-Law, b. 1880.** Was Govt. Advocate (Bihar), 1916-37; acted as tempy Judge, Patna High Court. Was Vice-Chancellor, Patna University 1928-30; member of Executive Council, Bihar Govt., 1932; delegate, R. T. Conference (London) 1930-31. Was Law Member, Govt. of India. Appointed member (Information Broadcasting) of the Viceroy's Exe. Council in May, 1943. *Ad.* New Delhi; Simla.
- AIYAR, RAMASWAMI, Sachivottama** Sir C. P., K.C.S.I., K.C.I.E., C.I.E., LL.D., Dewan of Travancore, b. 12th November 1879; s. of late Mr. C. R. Pattabhirama Aiyar, Vakil, High Court and afterwards Judge of the City Civil Court; m. Sithammal, *ed* : Madras. Joined the Madras Bar, 1908; enrolled Advocate, later; Fellow of the University 1912; Member of the Madras Corporation, 1911; Member, Indian National Congress and was its All-India Secretary 1917-18; Member, Legislative Council under Reform Constitution for Madras, 1920; Advocate-General for the Presidency, 1920. One of the Indian representatives at the Assembly of the League of Nations Committee at Geneva, 1926 and 1927; Rapporteur to the League of Nations Committee on Public Health, 1927; Law Member of Madras Government, 1928-28; Vice-President of the Executive Council, 1924. Resigned Membership of the Madras Government, March 1928 and rejoined the Bar. Delegate to the Indian Round Table Conference and Member of the Federal Structure Committee, 1930; Member of the Council of State, 1930. Delivered the Delhi University Convocation address, 1931; Tagore Law Lecturer, Calcutta University, 1932. For some time Commerce Member of Indian Government, 1933. Chairman of the Committee appointed by the Chamber of Princes to consider the White Paper, 1933; Member of the Joint Select Committee of Parliament, 1933; Delegate to the World Economic Conference, 1933; drafted a new constitution for Kashmir, 1934; Member of the Government of India Committee on Secretarial Procedure, 1935. Dewan of Travancore since 1936; was conferred the title of 'Sachivottama' by His Highness the Maharaja of Travancore; was instrumental in implementing the Temple Entry Proclamation of His Highness, 1936; Chief Commissioner, Travancore Boy Scouts Association, 1937; Vice-Chancellor, Travancore University, 1937; was elected a Fellow of the Royal Society of Arts, 1937; the degree of Dr. of Laws conferred by the Travancore University, 1939; Awarded K. C. S. I., 1941. Is interested in French literature. Is a strong critic of the present Congress tendencies. Was Information Member, Govt. of India. Resigned in Aug. 1942. *Ad.* The Grove, Cathedral Post, Madras; "Delisle", Ootacamund.
- AJIT SINGHJI SAHIB MAHARAJ, SHRI**, younger brother of H. H. the Maharaja of Jodhpur. s. of Maharaja Sir Sardar Singhji Sahib, G.C.S.I., b. 1907. *ed* : Mayo College, Ajmer. President, Consultative Committee of Sardars; President, Central Advisory Board, Jodhpur

State and also Councillor to His Highness the Maharaja Sahib Bahadur of Jodhpur. *Ad.* Jodhpur.

ALAM, SAIYID SAYEED, *b.* 1891, *s.* of the late Maulvi Sayid Zahoor Alam, *ed.* : Patna and Cambridge, Passed B. A. with tripos in Natural Sciences & Law from the Cambridge University in 1910, LL. B. from the same in 1911. Called to the Bar. 1912. Advocate, Calcutta High Court, 1914 and Patna High Court, 1916. Additional part-time lecturer at the Patna Law College in 1916. Professor of Law at the Ravenshaw College, Cuttack, 1919. Vice-Principal of the Patna Law College 1923, Principal from 1924 ; Fellow, Patna University since 1924 ; President, Board of Studies in Law and Member, Faculty of Law of the Patna University ; member, Syndicate of the Patna University, 1930-32. Is Secretary, Governing Body of the Government Tibbi College at Patna from 1934 and was on the Governing Body of the Madrasa Islamiya Shamsul Huda at Patna 1930-41. *Ad.* Ranighat, P. O. Mahendru, Patna.

ALI, A. F. M. ABDUL, F. R. S. L., M. A., Trustee and Hony. Secy., Indian Museum. *b.* 1884 ; Ex-keeper of Records of Govt. of India, Ex-Secy., Indian Historical Records Commission ; Ex-Commissioner of Wakfs, Bengal ; Past President, Calcutta Rotary Club ; is on the Committee of several big educational institutions and of many historical, literary and fine arts assns. and of some philanthropic organisations. *Ad.* 3, Nawab Abdur Rahman Street, Calcutta.

ALWAR, Ruler of, (See p. 198).

AMBEDKAR, The Hon. BHIMRAO RAMJI, M. A., Ph. D., D. SC., Bar-at-Law., Member, Viceroy's Executive Council. *b.* 1893. *ed.* : Bombay, London, Columbia and Germany. Was member of the R. T. Conference London, 1930-32. Is the recognised leader of Scheduled Castes. Author

of several books on Economics, Sociology and Politics, *Ad.* New Delhi.

AMJAD ALI, SHAH, SAYED, B. A. (Hons.), O. B. E., M. L. A., *b.* 1908, *ed.* : Lahore and London. Took part in R. T. Conferences and Joint Parliamentary Comtee. as Honorary Publicity Officer and Honorary Secretary, Moslem Delegation. Was Secy., Unionist Party. Was delegate to and Secretary of Indian Group attending Second British Commonwealth Relations Conference, 1938. Is Parliamentary Private Secretary to the Punjab Premier and whip of the Govt. *Ad.* "Ashiana", Lahore.

AMOD, NAWAB SIR NAHAR SINGJI ISHWAR SINGJI, M. L. A., Sirdar and Thakor Sahib of, *b.* 1877, *ed.* : privately. Was M. L. A., Bombay (1931-34) : has travelled widely : was Chairman, Broach Dt. Local Board for years ; was M. L. C. Bombay (many years) ; is a leader of Moslem Rajputs. Presided over the All-India Moslem Rajputs' Conference 1930, now its permanent President. Also President of Gujarat Landholders' Association. Is a 1st class rider and heads Thakors in Gujarat district. Keen on education and social reforms. Works for Hindu-Moslem unity.

ANEY, Mr. MADHAV SRIHARI, B. A., B. L., Representative of Govt. of India in Ceylon. *b.* 1880, *ed.* : Nagpur and Calcutta. Started life as teacher. Joined Bar in 1908. Connected with the Indian Home Rule League, the Responsivist Party, the Congress Nationalist Party, the All-India Hindu League, etc., Member, Legislative Assembly (Central), and Leader of Congress Nationalist Party in the House. President, Indian National Congress 1932. Appointed Executive Councillor Govt. of India, 1942, resigned in Feb. 1943.

ANSARI, ABDUL QAIYUM, President, Bihar Prov. Jamiat-ul-Momin ; a leader of the Momin Move-

ment : *b.* 1905, *ed.* Aligarh, Calcutta and Allahabad. Was in Khilafat & Non-cooperation movement 1920-21 ; has suffered imprisonment ; edited several periodicals. Joined Momin Movement 1938 and formulated the 'Six Points of Ansari' demanding for Momin community separate representation in all cabinets and Legislatures, in Local Self-governing and civic bodies and in state and semi-state services. Genl. Secy., All-India Momin Naujawan Assn., Closely associated with All-India Azad Muslim Parties' Confce. An ardent nationalist opposed to Pakistan scheme. Fellow, Patna Univ. *Ad.* Dehri-on-Sone, E. I. Ry.

ARUNDALE, GEORGE SYDNEY, M.A., LL.B. (Cantab.), D.Litt. (Madras), F. R. Hist. S. (London), President of the Theosophical Society since June 1984, succeeding Dr. Annie Besant ; *b.* Surrey, England, 1878, *m.* Rukmini Devi, daughter of Pandit Nilakanta Sastri, Madras ; *ed.* Cambridge and Continent of Europe. Came to India 1903, and for 80 years associated with Dr. Besant in education and politics. Principal, Central Hindu College, Benares (1909) ; Principal, National University, Madras, which conferred honorary degree of D.Litt. ; Education Commissioner, Holkar State, 1920. Interned in 1917 with Dr. Besant under Defence of India Act. In 1925 consecrated Bishop of the Liberal Catholic Church. In 1926-30 promoted Theosophy in Australia. Is working for India's freedom within the British Commonwealth. Is Provincial Chief Commissioner, Hindustan Scout Association, Madras Presidency ; *Pub.* many books and pamphlets and Editor, *The Theosophist*, *Conscience*, etc. *Ad.* Adyar, Madras.

ARUNDALE, RUKMINI (RUEMINI DEVI), President of Kalakshetra, International Arts Centre, Adyar, Madras ; *b.* 1904, at Madura, youngest daughter of Pandit Nilakanta

Sastri : *m.* in 1920 to Dr. George S. Arundale. Started dancing under personal guidance of Anna Pavlova, has travelled and done research in art and drama in many countries ; is working through Art and Theosophy for India's cultural renaissance, specializing in Bharata Natya. In 1940 presided over the Bharata Natya Section, Tenth Oriental Conference, Tirupati. Is President of the World Federation of Young Theosophists, President of the South Indian Humanitarian League, and Director of the Besant Theosophical School, Adyar. Is Editor of *The Young Citizen*, and author of *The Message of Beauty to Civilization* and other lectures. *Ad.* Adyar, Madras.

ASAF ALI, M., Bar-at-law, M. L. A. (Central), *b.* 1888, *ed.* Delhi and U. K. A prominent Congress worker and chief Congress spokesman on military affairs in the Central Assembly. Has suffered imprisonment several times. Is an eloquent speaker. *Ad.* Kucha Chelan, Delhi.

AUCHINLECK, H. E. SIR CLAUDE, Commander-in-Chief in India (2nd time) since June, 1943. *b.* 1884. *s.* of late Col. John Claude Auchinlek. After a long and meritorious military career in Africa, came to India 1930. Was in various commands in India and was Dy. Chief of General Staff, Indian Army, 1936-8. Commander-in-Chief, India, 1940-41. C-in-C. Middle East 1941-42. *Ad.* New Delhi.

AUROBINDO, SRI, (GHOSH), scholar, poet, and yogi, *b.* in Calcutta Aug. 15, 1872 ; went to England at the age of seven, *ed.* St. Paul's School and King's College, Cambridge, first class Classical Tripos ; passed I.C.S., 1890, served for some time in Baroda State and then went to Bengal, joined the political movement ; first Editor of *Bande Mataram*, arrested in connection with the Alipore bomb case but acquitted. A warrant was issued against him for sedition in 1910 but

he reached Pondicherry and has lived there since; has established an Ashram there. *Pub. Collected Poems and Plays; The Life Divine, Essays on the Gita, Ideal and Progress, Superman, Thoughts and Glimpses, The Mother, Isha Upanishad, etc.etc, Ad.* Pondicherry.

AYYANGAR, SIR N. GOPALASWAMI, B.A., B.L., Kt., C.S.I., C.I.E., b. 31st. March 1882. *m.* Sri Komalammal. *Ed.*: Wesley, Presidency and Law Colleges, Madras. Asstt. Professor, Pachaiyappa's College, Madras, 1904; entered Madras Civil Service by a competitive examination in 1905; Deputy Collector, 1905-1919; Collector and District Magistrate, 1920; Member, Indian Legislative Assembly, 1927; Registrar-General of Panchayats and Inspector of Local Bodies, 1921-28; Collector and District Magistrate, Anantapur 1928-31; Inspector of Municipal Councils and Local Boards, 1931-32; Secretary to Government, P. W. Department, 1932-34; President, Indian Officers' Association, Madras 1935-37; Member Board of Rev. Mad., 1935-37. Was Prime Minister of Kashmir 1937-49. *Ad.* St. Mary's Road, Alwarpet, Madras.

AYYAR, SIR P. S. SIVASWAMI, B.L., K. C. S. I., C. I. E., LL. D., b. 1864, *ed*: Tanjore and Madras; joined High Court, Madras; was Advocate-General, Madras. Member of Madras Executive Council; was Vice-Chancellor, Benares Hindu University; and of Madras University; presided over two sessions of National Liberal Federation; delegate to League of Nations, 1922. Has written on constitution, philosophy, etc. *Ad.* Sudharma, Edward Elliot Road, Mylapore, Madras.

AZAD, ABUL KALAM MAULANA, Indian Leader and Moslem divine and thinker, b. 1888 at Mecca, ed: Al-Azhar University, Cairo, in Moslem Theology. Later settled in Calcutta, started the Urdu weekly

Al-Hilal and on its suppression by Government, the *Al-Balagh*. His activities led to his internment. Joined the nationalist movement just before the Great War; was a leading figure in Khilafat and non-co-operation movements. Has been in the Congress Working Committee. Imprisoned several times. Is President of the Congress since 1940-42, was President twice before. Is a powerful writer and an impressive speaker. Is now under detention under Defence of India Rules. Lost his wife Begum Azad in April, 1943, while in prison. *Pub.* numerous works mainly on Moslem Theology.

BABER SHUM SHERE, K. C. S. I., K. C. I. E., G. B. E., Commanding General, Nepal Forces; Hon. Colonel, British Army; b. 1888. Has held important posts in Indian Army and been mentioned in despatches. In memory of his son Bala Shum Shere supplied Pokhara with pipe drinking water Costing over Rs. 1 lac. *Ad.* Khatmandu, Nepal.

BADENOCH, SIR ALEXANDER CAMERON, M. A., C. S. I., C. I. E., I. C. S., Auditor General of India, b. 1889, *ed*: Edinburgh and Oxford, Held various high posts in the Punjab, 1912-19, Entered Indian Audit Dept. 1919, appointed Auditor General of India 1940. *Ad.* Simla.

BADLEY, BRENTON THOBURN, M. A., LL. D., D. D., b. 1876. *ed*: U. S. A. Bishop of American Methodist Episcopal Church. Author of many works. *Ad.* 12, Boulevard Road, Delhi.

BADRUDDUJA, SYED, M. A., B. L., M. L. A., Mayor, Calcutta Corporation: b. July 1898 in the district of Murshidabad; *ed*: Calcutta; competed in Bengal Civil Service exam. in 1925 but owing to ill health had to seek his career elsewhere, and accepted office in the Calcutta Corporation; resigned his office in the Corporation and got elected to

- the Bengal Legislative Assembly (1940); was elected to the Corporation as a Councillor; connected directly with all socio-political and socio-religious movements and activities in Muslim Bengal. 1s Secy., Progressive Coalition Party in the Bengal Assembly. Elected Mayor of Calcutta Corporation, 1943. *Ad.* Municipal Office, Calcutta.
- BAGCHI, SACHIN**, Branch Manager, The Lakshmi Insurance Co., Ltd, Calcutta. *b.* 1896. *s.* of The Late Rai Devendra Prasad Bagchi Bahadur who had been a Dt. & Cessions Judge in Bengal, *ed.* : Calcutta; Was Chairman, Reception Committee, Indian Insurance Companies' Field-Workers' Conference (3rd Session) Ex-General Secretary and now a Vice-President of the Indian Insurance Institute, Calcutta. *Ad.* 6 Ritchie Road, Ballygunge, Calcutta.
- BAHADUR SHUMSHER JUNG BAHADUR RANA, SIR**, Commdg. General, Hon. G. B. E., G. C. S. I., G. O. L. H., Hon. Col. Brit. Army. At present holding very high diplomatic and military position at New Delhi. Eldest surviving son of H. H. Maharaja Joodha Shumsher Jung Bahadur Rana of Nepal. *b.* 1892. Held various high civil and military posts in Nepal; led Nepalese contingent to India as G. O. C.-in-C. for service in India: Dir.-Genl. of Public Instruction, Nepal 1924-29; first Nep. minister in London 1934-5. Led Special Mission to present King George V with the Nep. Decoration of Ojaswi Rajanya 1934. Has 1st. class Orders of (1) Nepal Tara, (2) Trishakti Patta, (3) Gurkha Dakshina-Bahu. *Ad.* Khatmandu, Nepal.
- BAHAWALPUR**, Ruler of, (See p. 198).
- BAJPAI, SIR GIRIJA SHANKER**. B. A., B. Sc., K. B. E., C. I. E., I. C. S., Agent-General to the Govt. of India in U. S. A., *b.* 1891. *ed.* : Allahabad and Oxford. Joined the I. C. S. in 1915. Was Member of the Viceroy's Executive Council. Has been on deputation to Canada, Australia, S. Africa, New Zealand Geneva, Indian R. T. Conference etc. *Ad.* Washington.
- BALKRISHNA, M. A., Ph. D., F. R. Econ. S., F. S. S., b. 1882, *ed.* : Lahore and London. Has served as Principal of the Gurukula Vidyalaya of Hardwar, and of Rajaram College, Delhi, author of many works on history, economics, and politics. *Ad.* Shahupuri, Kolhapur.**
- BANERJEE, ALBION RAJKUMAR, SIR, M. A., I. C. S. (Retd.), C. I. E., b. 1871. *ed.* : Calcutta and Oxford. Joined I. C. S., 1895. Served in various capacities in Southern India mainly; was Dewan of Mysore for a time, and Foreign Minister of Kashmir. *Pub.* *Indian Tangle, An Indian Pathfinder, The Rhythm of Living.***
- BANERJEE, PRAMATHA NATH, M. A., D. Sc. (Econ.), Bar-at-Law, M. L. A. (Central), b. 1879, *ed.* : Calcutta and London. Was Minto Professor of Economics, Calcutta University, 1920-35: President, Indian Economic Confce. 1980; President, Indian Political Science, Confce. 1940; Dean, Faculty of Arts C. U. (1929-30); President, Post-graduate Council in Arts, C.U. 1929-33; was President of Bengal Economic Society; and Vice-President, Congress Nationalist Party. Fellow, C. U. Leading economist and politician. *Pub.* *A Study of Indian Economics, Fiscal Policy in India, Public Administration in Ancient India, Provincial Finance in India* and several other books on Economics and Public administration. *Ad.* 4/A, Vidyasagar Street, Calcutta.**
- BANERJEE, JOYGOPAL, M. A.,** Holder of chair of English. Cal. Univ. till 1939. *b.* 1872 *ed.* : Monghyr, Patna and Calcutta. After brief service in London Mission and Metropolitan Colleges, Calcutta, joined

- Victoria College, Cooch-Bihar 1894, became Senior Prof. 1908 ; Principal 1918-15 ; Senior Prof., Cal. Univ. 1917-28, became holder of chair 1928. Editor, Calcutta Review 1927-33. Examiner of 7 Indian Univs. in M. A. English for years and of Cal. Univ. 1897-1941. Contributed to Modern Review, Cal. Review, Benares Univ. Magazine, etc. a number of articles on various subjects. *Ad.* 5, Motilal Nehru Road, Calcutta.
- BANERJEE, PROF. KEDARESWAR**, D. Sc., F. N. I., Dr. Mahendra Lal Sircar Professor ; *b.* Sep. 1900 ; *s.* of Taraknath Banerjee ; *m.* Amiya Debi ; *Ed.* Dacca College, Dacca & Presidency College, Calcutta ; D. Sc. of the Calcutta University. Worked at the Royal Institution of Great Britain as Ghosh Travelling Fellow of C.U. ; carried on useful researches in X-ray Crystallography. Elected Fellow of the National Institute of Science as well as of Indian Acad. of Science. *Ad.* 210, Bowbazar Street, Calcutta.
- BANERJEE, SRIKUMAR**, M. A., B. L., Ph. D., Professor of Eng., Presidency Coll., Calcutta. *b.* 1894, Fellow, Cal. Univ. 1926-35. Officiated as Principal, Rajshahi Coll. *Pub.* (1) *Critical Theories and Poetic Practice in the Lyrical Ballads* ; (2) *Banga Sahitye Upanyaser Dhara*. *Ad.* 81, Southern Avenue, Calcutta.
- BANERJI, AMIYA CHARAN**, I. E. S., M. A. (Cantab), M. Sc. (Cal.), F. R. A. S. (Lond), F. N. I., Professor and Head of the Department of Mathematics and Dean, of the Faculty of Science, Allahabad University, *b.* Sept. 28, 1891, *m.* Feb. 14, 1921 Probha Devi, *ed.* : Presidency College, Cal., and Clare College, Cambridge ; Was Professor Mathematics, Muir Central College, Allahabad, 1920 ; Services lent to the University of Allahabad since 1922. Fellow, Royal Astronomical Society (England) ; Fellow and Vice-President in 1940, of National Institute of Sciences, India. President, Mathematics Section, Indian Science Congress 1940. President, Benares Mathematics Society 1941. *Pub.* Research papers in Mathematical Physics and Astrophysics and some popular scientific papers. *Ad.* Gyan Kutir, Beli Road, Allahabad.
- BANERJI, SITAL CHANDRA**, M. D. (Homeo), Chief Medical Officer, Charitable Homeopathic Dispensary, Sammelan Brahmo Samaj, Calcutta ; *b.* Mar. 1885 ; *s.* of Late Dr. K. C. Banerji ; *ed.* Calcutta. Organised 4 charitable Homeo. Dispensaries and served in the institutions as Medical Officer in honorary capacity. A philanthropic worker who has been helping the suffering public for the last 35 years. *Ad.* Saral Kutir, 96/1B, Panditla Road, Ballygunge, Calcutta.
- BAPNA, SIR SERAYMAL, RAI BAHADUR**, Wazir-ud-Dowla, B. A., B. Sc., LL. B., C. I. E., *b.* 1882, *ed.* : Ajmer and Allahabad. Has practised Law ; served as Dist. and Sessn. Judge, Indore, and then as Secretary and Home Minister ; Was a minister in Patiala for two years ; Prime Minister Indore, 1926-39 ; Prime Minister, Bikaner 1939-41. Was a substitute delegate to the R.T. Conference, 1931 and delegate to the Assembly of the League of Nations, 1935. *Ad.* Udaipur, Rajputana.
- BARIA, Ruler of**, Lt.-Col. H. H. MAHARAO SHREE SIR RANJITSINHJI, K. C. S. I., *b.* 1886, succeeded to the gaddi, 1908, *ed.* : Rajkot, Dehra Dun and U. K. Saw service in the last Great War, and in the Afghan War, 1919. Is a progressive ruler and takes interest in the welfare of his subjects. Is a descendant of the Chohan Rajputs, whose names are famous in Indian history. Is helping the present war.
- BARODA, Ruler of**, (See p. 199).
- BARODAWALLA, SALEBHOY KARI-MJI**, landlord and businessman, Chairman, Improvements Committee

- of Municipal Corporation, Bombay, 1935, *b.* 1884, *s.* of Mr. Karimji Alisbhoy; elected in 1907 to the Bombay Municipal Corporation, since retained his seat. Was made J. P., and Honorary Presidency Magistrate, 1908. Awarded certificate of merits and War Medal for voluntary services. Nominated Member, Bombay Legislative Council, 1916-21. Elected Member, Legislative Assembly, 1920-23; Vice-President, All-India Muslim Federation, from 1926. A sportsman. *Ad.* Altamont Road, Cumballa Hill, Bombay.
- BARRY, CHARLES HAROLD, M. A.** (Cantab.), *b.* 1905, *ed*: Cambridge. Is Principal of Lahore Aitchison College. *Pub.* *Gleaming Arches, White Sails, and Bridges of Song.* *Ad.* Aitchison College, Lahore.
- BARWANI, H. H. DEVISINGHI,** Rana Saheb of, *b.* 1922, became ruler 1930. Is a minor and is being educated at Indore. He is a Sisodia Rajput and is descended from the Ruling Family of Udaipur. The Govt. of India has appointed a State Council to carry on the administration during his minority.
- BASU, JATINDRA NATH, M. A., M.L.A.** (Bengal), Solicitor, Cal. High Court. *b.* 7th Feb., 1872, *ed*: Calcutta. Formerly President, National Liberal Federation of India, the Indian Association, Calcutta. Incorporated Law Society, Cal. Is a member of the Bengal Legislative Assembly; President Cal. Orphanage and other institutions. *Ad.* 6, Old Post Office St., Calcutta.
- BASU, PRAPHULLA CHANDRA, Hon. LL. D., Ph. D., M. A.** in economics, 1911; B. L. in 1918; M.A. in history, 1916; Asutosh Mookerjee Research Medallist, 1920; Hon. LL.D. of Agra, University, 1940. *b.* 21 June 1890. *s.* of the late Mr. Ashwini Kumar Basu. *m.* in 1915 Srimati Premnalin (nee' Ghosh); *Ed.* at: Presidency College and University Law College, Calcutta. Professor of Economics and History & Principal, Holkar College, Indore (1926-40); now retired; Dean of Faculty of Arts, (1927-33); and Vice-Chancellor, Agra University (1934-40); Chairman, Board of High School and Intermediate Education, Rajputana and C.I. Ajmer (1932-36); Member of Senate, Agra University (1927-40); Member of Court, Allahabad University, (1923-27) & (1934-40); and Lucknow University (1934-40); Delegate to the Empire Universities' Congress, Edinburgh (1931); Member, Inter-University Board, (1934-41); Member, Legislative Council, U. P. (1936). *Pub.* A number of treatises and Papers on Economics. *Ad.* C/o Lloyds Bank, Calcutta.
- BASU, SANTOSH KUMAR, M. A., B. L., M. L. A.,** Deputy Leader of the Congress Party in the Assembly and ex-Mayor of Calcutta, *b.* 1889, *ed*: Calcutta. Was Professor of English, Hislop College, Nagpur. Advocate, Calcutta High Court since 1918. Had been in the Swaraj Party. Elected Councillor of the Calcutta Corporation since 1923, Deputy Mayor 1930, Mayor, 1933. Organised the Mayor's Fund in connection with Bihar Earthquake 1934. Was Minister for Pub. Health, Local Self-Govt. & Civil Defence Co-ordination, Govt. of Bengal. Resigned in March 1943. *Ad.* 65, Diamond Harbour Road, Kidderpore, Calcutta.
- BEAUMONT, JOHN WILLIAM FISHER, SIR, The Hon. Justice, M.A.** K. C., *b.* 1877, *ed*: Cambridge. Joined Bar. U. K., Chief Justice, Bombay High Court till 1941. Appointed Judge, Federal Court, April 1941 in the vacancy caused by the death of Sir Shah Muhammad Sulaiman. *Ad.* New Delhi.
- BENARES, Ruler of, (See p. 200):**
- BERKELEY-HILL, OWEN, Lt.-Col., M.A., D.M., B.Ch. (Oxon.), L.B.C.F., D. T. M. & H. (London), M. R. C. S. (Eng.), F.R.A.S.B., I.M.S. (Retd.)** *b.* London, 22nd. Dec., 1879, *ed.* Oxford,

Gottingen and Nancy. Served throughout the war, 1914-18, in East Africa. Medical Superintendent, Ranchi European Mental Hospital. 1919-1934. Ex-President Indian Psychological Association, Ex-President, Indian Association for Mental Hygiene, Ex-President, Marriage Welfare and Child Guidance Association, Calcutta. Married Karimbil Kunhimanny. Besides numerous contributions to scientific journals, has published two books, *Collected papers* and an autobiography, *All-Too-Human*. *Ad.* "Hillstow," P. O. Tatisilwar, Dist Ranchi.

BENTHALL, EDWARD CHARLES, *SIR*, b. 1898, *ed* : Cambridge. Served in last Great War. Formerly Director of Imperial & Reserve Banks. Was President of Bengal Chamber of Commerce and the Associated Chambers of Commerce of India ; member of the Council of State and the Bengal Legislative Assembly. Member, Viceroy's Executive Council, since July, 1942. *Ad.* New Delhi.

BHADARWA, Ruler of, SRIMANT THAKOR SAHEB SHREE NATVER-SINHJI RANJITSINHJI, b. 1903, *ed* : Rajkot ; ascended gaddi, 1935. The Raj claims descent from Karan Vaghela, the last Rajput king of Gujarat. The State is very progressive in all directions. Education and medical aid are free everywhere. There are several schools, dispensaries etc. The farmers enjoy many rights.

BHANDARKAR, DEVADATTA RAM-KRISANA, M. A., Ph. D., F. R. A. S. B., b. 1875, *ed* : Poona. Served as Carmichael Professor of Ancient Indian History and Culture, Calcutta University, 1917-35 ; was lecturer in Bombay, Benares Hindu and Madras Univs ; presided over various historical and cultural confes. ; was Supdt., Archaeol. Survey of India, Western Circle ; was Vice-Chairman and is still member, Board of Trustees, Indian Museum and is in charge of its Archaeol. Section. *Jt. Editor*,

'Indian Antiquary', 1911-20 and 1928-33 ; Founder-Editor, 'Indian Culture.' *Pub.* include learned treatises on Indian History, Archaeology, Gupta inscriptions, etc. *Ad.* 2-1, Lovelock Street, Calcutta.

BHANSALI, Prof. b. 1895, an M. A. of the Bombay University—travelled all over Europe ; and then gave up the world, walked to the Himalayas barefoot, sojourned in the forests of Gir, lived on 'nim' leaves, ringed his lips together and was fed through a tube for years ; spun endlessly and believed in 'Bapu.' His recent fast at Sj. Aney's place created sensation all over the country.

BHARATPUR, Ruler of (See p. 201).

BHATIA. SOHAN LAL, I. M. S., M. A., M. D., B. Ch., F.R.S.E., F.R.C.P., F. C. P. S., M. C., Lieut.-Colonel, Addl. Dy. Director-Genl., Indian Medical Service ; was till lately Principal of Grant Medical College and Supdt., J. J. Group of Hospitals, Bombay ; b. 1891 ; *ed* : Cambridge and London. Has seen active service in Egypt, during the last war. Has written papers on medical subjects. *Ad.* New Delhi.

BHATNAGAR, SIR SHANTI SWARUPA, Kt., D. Sc., F. R. S., F. I. P., F. I. C., O. B. E., b. 1895 ; *ed* : Lahore, Berlin and London. Is Fellow of several learned societies in India and England. Was Professor of Chemistry and Director, University Chemical Laboratories, Lahore. President, Chemistry Section of the Indian Science Congress, 1928 and 1938. Is now Director of Scientific and Industrial Research, Government of India. *Pub.* *Principles and Applications of Magneto-Chemistry*, a treaty on Electricity in Urdu and many scientific papers. Appointed Professor of Chemistry of the Univ. Delhi in Sept. 1942. Elected fellow of the Royal Society (London) in March, 1943 first Indian to obtain this distinction. *Ad.* New Delhi.

BHATTACHARYA, DEVENDRA

MOHAN, RAI BAHADUR, M. A., B.L., s. of late Sashi Bhusan Bhattacharya of an ancient Brahmin family of Faridpur; started life as headmaster of a high school; after a brief career at the Bar joined Midnapore College as Prof. of History, 1920; Was appointed Chief Manager, Jhargram Raj. Became Chairman, District Board Midnapore 1937, and Chairman, Midnapore Municipality next year. elected Chairman, Board of Directors Palladium Assurance Co.; Helped in the founding of Vidyasagar Bani Bhawan at Jhargram and the Publication of authoritative edn. of works of Vidyasagar, Bankim Chandra, Madhusudan and others by the Bangiya Sahitya Parishad. *Ad.* Jhargram, Dist. Midnapore.

BHAVNAGAR, Ruler of, (See p. 201)
BHOPAL, Ruler of, (See p. 201).

BHORE, JOSEPH WILLIAM, SIR, I. C. S. (Retd.), C. I. E., K. C. S. I., C. B. E., b. 1878; *ed.*: Poona and London. Was Dewan of Cochin; Director of Civil Supplies; ex-Member, Viceroy's Executive Council; offg. High Commissioner of India in England, 1922-28. *Ad.* c/o National Bank of India, Madras.

BHUTAN, Ruler of, (See p. 202).

BHUTTO, SHAH NAWAZ, SIR, O.B.E., C. I. E., b. 1888; *ed.*: Karachi. Is the chief of zemindars in Sind. Was Minister to Bombay Govt.; delegate to R. T. Conference. A Sind Moslem leader. Member, Public Service Commission for Bombay and Sind. *Ad.* Secretariat, Bombay.

BHUWALKA, Inderchand, Hon'y General Secretary, Marwari Relief Society, Calcutta. Is a prominent industrialist and business magnate. b. 1909; *ed.* Calcutta; is Director of several limited companies and connected with various public institutions. *Ad.* 8, New Jagannath Ghat Road, Calcutta.

BILLIMORIA, SAHPOORJEE BOMONJEE, SIR, M. B. E., J. P., b. 1877; ed.: Bombay. Is a partner

of Messrs. S. B. Billimoria & Co., Member of Auditors' Council; President, Indian Merchants' Chamber; is a Trustee of several Parsee charities and trusts. Governor, Rotary International; Grand Supdt., Royal Arch Freemasonry in India. Served as Sheriff of Bombay. *Ad.* 18, Cuffe Parade, Colaba, Bombay.

BIKANER, Ruler of, (See p. 203).

BIRLA, GHANSHYAM DAS, b. 1891: big mill-owner, landholder, exporter and importer, etc. Was President of Indian Chamber of Commerce, of Federation of Indian Chambers of Commerce and Industries. Was member of several Commissions. Supports many institutions in different parts of India. A social worker, and philanthropist. Chairman, All-India Harijan Sevak Sangha. *Ad.* Birla Park, 19, Store Road, Ballygunge, Calcutta.

BISWAS, K. C., M. Sc. in Textile Engineering, M.T.M., A.T.I. (U.S.A.) Managing Agent, Pravati Textile Mills Ltd; b. 1902 in well-known Biswas family of Jalabari (Barisal). *ed.* United States of America; late Instructor in Textile Engineering & Research, Mass. Institute of Technology, Cambridge, Mass & Technical Director of Cotton Mills, U.S.A. *Ad.* c/o. Pravati Textile Mills Ltd., P. O. Panihati, Calcutta.

BIYANI, BRIJLAL NANDLAL, B.A., b. 1896. Memb., Council of State, a Congress leader in C. P. and Berar. Took part in Satyagraha Movement, 1930-32 and 1940, jailed twice. Member, A.-I. C. C., been President, Berar Prov. Cong. Comte. for the last 5 yrs. Was Secy. of Congress Party in the Council of State. Chairman, Reception Comte., 25th Session of the All-India Hindi Sahitya Sammelan. Founder, Berar Chamber of Commerce. *Ad.* Rajasthan Bhawan. Akola (Berar).

BLACKWELL, OSCIL PATRICK, SIR, M. B. E., Bar-at-Law, b. 1881, ed.: London and Oxford. Served

- in last Great War. Puisne Judge Bombay High Court. *Ad.* "Rylstone", Peddar Road, Bombay.
- BLAIR, JAMES RICHARD, M. A.** (Edin), J.P., C.I.E., (1937) was Chief Secretary to the Government of Bengal and Secretary, Home and Publicity Departments 1942-48; *b.* 20th August 1890; son of the late James Blair, Edinburgh; *m.* 1921 Alice Jane Hood; *d.* of the late W. L. Carrie, Edinburgh; *ed.* Edinburgh and Oxford. Joined the service 20th October 1914 and served in Bengal in various capacities: on Military duty March 1915 to January 1919; Deputy Secretary, Government of India, Army Department 1930-38. Commissioner Dacca Division 1940. Resigned from Indian Civil Service, Aug. 1948.
- BOMBAY, BISHOP OF (RICHARD DYKE ACLAND), ed:** Bedford Grammar School, Keble Coll., Oxford; *M. A.* 1897; ordained d. 1905, p. 1906, curate, St. Mary's Slough, 1905-1910; missionary, Bombay Diocese (S. P. G.) 1911-29 (Ahmednagar, Kolhapur, Dapoli, Bombay); consecrated Bishop Nov. 6th, 1929. *Ad.* Bishop's Lodge, Malabar Hill, Bombay 6.
- BORDOLOI, GOPINATH, M.A., B.L.,** Ex-Premier of Assam, *b.* 1891, *ed:* Gauhati and Calcutta. Joined bar 1916; during Non-cooperation Movement suspended practice and got 1 year's S. I. 1922; Asst. Secy., Gauhati Congress 1926; Chairman, Gauhati Municipality 1984-88; Leader of Congress Party in Assam Legislative Assembly from 1987 and Congress Coalition Premier from Sept. 1988 to Nov. 1989 when resigned on Congress mandate; got 1 year's S. I. as 1st Satyagrahi from Assam. President of several educational and other public instns. *Pub.* Contributions to journals. *T. R. Phookan and what I know of him* (Assamese). *Ad.* Gauhati, Assam.
- BOSE, MRINAL KANTI, M.A., B.L.,** Associate Editor, *Amrita Bazar Patrika*; Senior professor of History & Politics, Bangabasi College, Calcutta; *b.* Feb. 1887; *s.* of late Nibaran Chandra Bose; *ed:* Metropolitan Institution, Ripon College and Bangabasi College, Calcutta. Founder, Indian Journalists' Association, its ex-Secretary & President; President, Bengal Prov. Trade Union Congress, Press Employees' Association, Member, Working Committee, All-India Trade Union Congress, etc.; *Pub.* *A study of Political Philosophy; Indian History; Constitution, etc.* *Ad.* 46, South End Park, Ballygunge, Calcutta.
- BOSE, RAJSHERHAR, M.A., B.L.,** a prominent literateur of Bengal. *b.* 1880. Joined Bengal Chemical and Pharmaceutical Wks. Ltd. 1903, became Manager 1904, Retd. 1932. Now on its Board of Directors. President, Cal. Univ. Paribhasha Samiti 1935. *Pub.* *Gaddalika; Kajjali; Hanumaner Swapna*—(three collections of brilliant satires) *Laghuguru, Chalantika* (Beng. Dictionary). *Ad.* 72, Bakulbagan Road, Calcutta.
- BOSE, SARAT CHANDRA, M.A., B.L., M. L. A. (Bengal),** Barrister-at-Law, *b.* 1889, *s.* of Janaki Nath Bose, *ed:* Cuttack, Calcutta and London; called to the Bar 1913; Alderman, Calcutta Corporation 1924-32; elected to the Indian Legislative Assembly, 1933; detained under Reg. III of 1818 for several years; was President, Bengal Provincial Congress Committee; was Member, Congress Working Committee; Leader of the Opposition in the Bengal Assembly since 1937. Is now under detention under Defence Rules. *Ad.* 1, Woodburn Park, Calcutta.
- BOSE, SUBHAS CHANDRA, b. Jan. 28, 1897, *s.* of Janaki Nath Bose, a prominent lawyer of Cuttack, *ed:* Cuttack, Presidency College and Scottish Churches College, Calcutta, Cambridge; *I. C. S.* 1920, resigned**

- 1921 to join nationalist movement ; in charge of North Bengal Flood Relief 1922 ; Chief Executive Officer, Calcutta Corporation, 1924 ; Manager, *Forward* 1928 ; arrested in 1924 under Reg. III of 1818, elected to the Bengal Legislative Council while in detention ; took leading part in *satyagraha* movement, arrested again 1931, elected Mayor of Calcutta while in prison ; arrested again 1936 and 1940 ; President of the Bengal Provincial Congress Committee for several years ; President, Indian National Congress, 1938, re-elected 1939, resigned due to differences with the High Command and started *Forward Bloc*—a radical wing of the Congress ; elected to the Indian Legislative Assembly, 1940 ; Alderman, Calcutta Corporation ; Missing since January 26, 1941. In November 1941, the Government declared that they were satisfied that Mr. Bose was living in one of the Axis countries. *Pub. Taruner Swapna, The Indian Struggle*. *Ad.* 88/2, Elgin Road, Calcutta.
- BOSE, VIVIAN, B. A., LL. B., Bar-at-law. *b.* 1891, *ed.* : Cambridge. Now Judge, Nagpur High Court. Interested in social matters. *Ad.* Nagpur, C. P.
- BOTTOMLEY, JOHN MELLOR, C. I. E. (1937), M. A., Was Director of Public Instruction, Bengal from 1938 to March, 1949 ; *b.* 1888. *ed.* : Merchant Taylors School ; Christ Church, Oxford. *Apptd.* to Indian Educational service 1911. *Ad.* 5, Mayfair, Ballygunge, Calcutta.
- BRAHMACHARI, UPENDRA NATH SIR, K. i. H. Medal, M. A., M. D., Ph. D., F. R. A. S. B., F. R. S. M., F. R. S. T. M. Hon. Fellow, State Medical Faculty, Bengal ; Fellow Indian Chemical Society and National Institute of Sciences, India. Has won world-wide fame as discoverer of remedy for kala-azar. Is Professor of Tropical Medicine, Carmichael Medical College, Calcutta. *Ad.* 19, Loudon Street, Calcutta.
- BRELVI, SYED ABDULLAH, M. A., LL. B., Editor, *The Bombay Chronicle*. *b.* 1891 ; *ed.* : Elphinstone College. 1910-11, joined *The Bombay Chronicle* editorial staff, April 1915 as leader-writer, junior Assistant Editor, 1917, Senior Asst. Editor 1918, acted as Editor after Mr. Horniman's deportation, April 1919—Sept. 1920. *Jt.* Editor with the late Mr. Marmaduke Pickthall, 1920-24 ; member, All-India Congress Committee, Substitute member, Congress Working Committee, 1930, imprisoned in Nov. 1930 in connection with C. D. movement, released Jan. 26, 1931 ; member, Working Committee, Nationalist Muslim Party, arrested with Congress leaders Jan. 6, 1932 on launching of C. D. campaign and sentenced to 2 years' R. I. ; released Oct. 7, 1933. Member, Editorial Committee, *Social Service Quarterly*. *Ad.* *Bombay Chronicle*, Fort, Bombay.
- BROWN, PERCY, A. R. C. A. (Lond.) F. R. A. S. B., *b.* 1871 ; *ed.* : Birmingham and London. Joined I. E. S. in 1899. Was Principal, Mayo School of Art, Lahore, and of Calcutta School of Art. Is now Secy. to the Trustees and Curator, Victoria Memorial, Calcutta. Is an authority on Indian painting and architecture. *Pub. Indian Painting*, etc. *Ad.* Victoria Memorial Hall, Calcutta.
- BUCK, EDWARD JOHN, SIR, C. B. E., A well-known journalist. Was *Reuter's* Agent with the Government of India (Delhi and Simla). Is adviser to the *Associated Press* of India. Is Chairman, Associated Hotels of India Co., & Kalka. Simla Electric Co. (Kalka). *Ad.* Simla.
- BUELL, ROBERT LEWIS, B. A., Harvard College, Cambridge, Mass., 1919. American Consul, Calcutta. *b.* March 6, 1898 at Rochester, New York, U. S. A. *ed.* : Cambridge, was officer in French Artillery 1918 ; in business 1920-24. Entered United States Foreign Service 1925 : Vice Consul, Calcutta, 1925-27 ; Third

- Secretary, London. 1927-30 ; Third Secretary, Stockholm, 1930 ; Third Secretary, Peking, 1931-33 ; Consul, Colombo, 1933-37 ; On duty in State Department, Washington, D. C., 1938-40 ; Second Secretary, Berlin, Jan.-May, 1941 ; Consul, Leipzig, June-July, 1941 ; On staff of United States High Commissioner, Manila, August-November, 1941 ; Consul, Singapore. Nov.-Dec., 1941 ; Consul Rangoon, Jan.-Feb., 1942 ; Consul, Calcutta, Feb. 1942 to date.
- BURN, SIR SIDNEY, B. A., I. C. S.,** b. 1881 ; *ed* : Oxford ; was Asst. Resident, Cochin and Travancore States, Superintendent, Pudukkottai State, Dist. and Sessions Judge, Bellary, Madura, etc. Was Puisne Judge, Madras High Court. Retd. June 42. *Ad.* Hampton, Coonoor.
- BURNS, WILLIAM, D. Sc., C. I. E., I. A. S.,** b. 1884 : *ed* : Edinburgh ; joined Indian Agricultural Service in 1908. Was Principal, Poona College of Agriculture and Director of Agriculture, Govt. of India. Has written on agriculture, botany, etc. *Ad.* Imperial Council of Agricultural Research, New Delhi ; Simla.
- CARSON, CHARLES WILLIAM CHAR-TERIS, SIR, Kt., C. I. E., O. B. E.,** late Indian Audit & Accts. Service, b. 1874 ; was Accountant-General, Kashmir and later Bombay : Deputy Controller of Currency, Bombay : Accountant-General, U. P. and Punjab : offg. Controller of Civil Accts., India ; retd. 1929 and became, in 1930, Finance Minister, Gwalior State. *Ad.* Morar, Central India.
- CHAMAN LALL, DEWAN, b. 1892 ;** *ed* : Punjab and Oxford, Bar-at-Law. Was a journalist. Labour Delegate to International Labour Conference, Geneva ; member, Royal Commission on Labour, India. Member, legislative Assembly (Central) ;liamentary delegate, Indian Rel-
 on to Canada ; Chairman of
 ral unions. A leading political
- leader, Punjab. Is member, Punjab Legislative Assembly. *Ad.* 43-44, Nedou's Hotel, Lahore.
- CHANG, PETER, B.T., LL.B.,** Depu-ty Commander, Chinese Seamen in India, Wartime Service Corps ; b. 1912 ; s. of Dr. C. K. Chang ; m. Miss Lee Tsung-meng ; *ed* : Nation-
 al Chi-nan University, Shanghai,
 China. *Ad.* 5, Bowbazar Street,
 Calcutta.
- CHANANA, BEHARI LAL, LALA,** President, Punjab Beopar Mandal & Punjab Merchants Association ; Vice-President, Punjab Merchants' Chamber, Punjab Sanatan Dharam Pratinidhi Sabha ; b. 1894 ; s. of Lala Das Mal Chanana : *ed* : Gujran-
 wala (Punjab) and Bombay. Is
 leader of the famous agitation against
 the Punjab General Sales Tax Act.
 Was President, Punjab Beopari
 Conference (1941 & 1948). *Ad.*
 Anarkali, Lahore.
- CHATTERJEE, SIR ATUL CHANDRA**
 B. A. (Cal. & Cantab.), Hon. LL. D.,
 (Edin.), stood first in I. C. S., 1897,
 K. C. S. I., K. C. I. E., Adviser to
 the Secretary of State for India.
 Member of India Council, 1931-36,
 b. 1874. Was Chief Secretary, U. P.
 Govt. ; Govt. delegate to Interna-
 tional Labour Conference, U. S. A.
 and Geneva, and London Naval
 Conference ; Member of the Viceroy's
 Executive Council ; and High Com-
 missioner for India in London, 1925-
 31. Went to Ottawa Imperial Con-
 ference (1932) as leader of Indian
 Delegation. *Ad.* The Athenæum,
 Waterloo Place, London, S. W. 1.
- CHATTERJEE, RAMANANDA, M. A.,**
 editor, *Modern Review* and *Prabasi*,
 b. 1866, *ed* : Calcutta, first in B. A.
 English Hon. Principal, Kayastha
 Pathsala, Allahabad, 1895-1906. Was
 Fellow, Allahabad University and
 served on the Secondary Education
 Reform Committee, U. P. Occupies
 a prominent position in the field of
 Indian journalism. *Ad.* 1, Wood
 Street, Calcutta.

CHATTERJEE, SISIR CHANDRA, M. R. C. P., D. P. H., M. D. (Edin.), b. 1886, *ed*: Calcutta and Edinburgh. Was Chief Medical Officer, G. I. P. Ry., E. B. Ry., E. I. Ry. Is C. M. O., N. W. Ry. *Ad*. 6, Mayo Gardens, Lahore.

CHATTERJI, INDUBHUSAN, M. Sc., L. Ag. (Nagpur), Physiological Chemist to the Govt. of Bengal; b. 1888; s. of Late Nilmadhab Chatterji; m. Sreemati Asrumati Devi; *ed*. Benares and Nagpur. Research worker in Animal Nutrition; Member, Standing Animal Nutrition Committee, Imperial Council of Agl. Research, Bengal Nutrition Committee. Has devised special method of estimation of digestibilities, which is considered as one of the very best researches on the subject in the world. Has also developed methods for Lime requirement, phosphate metabolism from rice and rice bye-product. Has about 20 publications mostly on Animal Nutrition. *Ad*. Govt. Farm, Tejgaon, Dacca.

CHATTERJI, NARENDRA NATH, Rai Sahab, President, Bengal & Assam Railway Employees Association; b. July 1884; *ed*: Calcutta; Served Government in the Railway Dept. for 37½ years, retd. Nov., 1938; Recipient of Silver Jubilee Medal and Coronation Medal; Rai Sahab in 1937; connected with Railway labour since 1923. Was Vice-President B & A. Rly. Employees Association, Calcutta (1927-37); President (1938-39) and (1941-43); Vice-President, All-India Railwaymen's Federation (1936-38). Is connected with cooperative movement since 1920. *Ad*. Sheoraphuli, Hooghly.

CHATTERJI, SUNITI KUMAR, M.A., D. Litt. (Lond.), Khaira Prof. of Indian Linguistics & Phonetics, Cal. Univ. since 1932. b. 1890. *ed*: Cal.; School of Oriental Studies, London Univ.; the Sorbonne, Paris. Apptd. Asstt. Prof. of Eng.,

Cal. Univ. 1914; Govt. of India Linguistic Scholar in London and Paris 1919-22. Ex-Vice-President, Bangiya Sahitya Parishad; formerly Philological Secy., now Fellow and Vice-President, Royal Asiatic Society of Bengal, Calcutta; Corresponding Member, Nagari Pracharini Sabha, Benares and Royal Asiatic Soc. of Great Britain and Ireland. Visited Malaya, Java, Bali and Siam 1927 with Rabindranath Tagore. Represented Cal. Univ. at several scientific Conferences in Europe 1935 and 1938. Vice-President, Linguistic Society of India. *Pub*. *Origin and Development of the Bengali Language*, and other works on Bengali, Indo-Aryan and Hindi; *Dvipamaya Bharat* and *Paschimer Yatri* (Beng.); besides papers on linguistic and cultural subjects, in Bengali, Hindi and Eng. *Ad*. "Sudharma", 16, Hindusthan Park, Ballygunge, Calcutta.

CHATTOPADHYAYA, HARINDRANATH, b. 1898. Has travelled different parts of Europe and America. Has studied stage work in U. K., Germany and Italy. Is a well-known poet and dramatist. *Pub*. *The Coffin*, *Feast of Youth*, etc. *Ad*. "The Poet's Corner", Khar, Bombay.

CHATTOPADHYAYA, KAMALADEVI, a gifted speaker and a prominent Congress Socialist, b. 1908, m. to Harindranath Chattopadhyaya, now separated. Had been several times to England, the Continent and U. S. A. Has suffered imprisonment several times for political activities. *Ad*. Mangalore, S. I.

CHAUDHURI, JOGES CHANDRA, B.A. (Oxon.), M.A. (Cal.), Bar-at-Law, b. 28 June 1862, s. of Durgadas Chaudhury, m. Sarasibala Debi, 3rd. d. of Sir Surendranath Banerjee; *ed*: Calcutta, Oxford, and London. For some time Lecturer of Physics and Chemistry at Vidyasagar College, Calcutta; Editor, *Calcutta Weekly Notes* since 1896; Organizing Secy., Indian Industrial Exhibitions under

the auspices of the Indian National Congress in Calcutta 1901-1902 and again 1906-7; Member, Legislative Assembly, India, 1921-28; Member, Repressive Laws Committee. Resigned seat by way of protest against doubling of salt tax by certification. Fellow of the Calcutta University, 1927-31. Chairman, National Insurance Co. Ltd.; Vice-Chairman National Council of Education, Bengal; President, Ripon College Council, Jagatbandhu Institute, Calcutta, Indian Association, Calcutta. *Ad.* 8, Hastings Street, and "Devadwar", 84, Ballygunge Circular Road, Calcutta.

CHAUDHURI, PRAMATHA, M. A., Bar-at-Law, one of the foremost literateurs of Bengal. *b.* 1868. *ed.*: Krishnagar and Calcutta, 1st in B.A. (philosophy) and M.A. (English) of Cal. Univ. Gold Medalist. Called to the Bar, Inner Temple 1896, enrolled Cal. High Court 1897. Edited well-known Bengali monthly *Sabuj Patra* in collaboration with Rabindranath Tagore for about 10 yrs. Presided at several literary confes. Awarded Jagattarini Gold Medal for Bengali literature 1938. His Jayanti was celebrated Sept. 1941. At present Editor, *Vishwa Bharati Patrika*. *Pub.* About a dozen vols. of short stories, essays and poems in Bengali; *Story of Bengali Literature*; besides Eng. articles in various periodicals. *Ad.* Santiniketan (Birbhum).

CHETTY, SIR SHANMUKHAM, B. A., B. L., K. C. I. E., was Head of the Govt. of India Purchasing Mission in America, just resigned. *b.* 1892, *ed.*: Madras. Has visited, U. K. and Australia as India's delegate of National Convention and Empire Parliamentary Association respectively. Was member of Legislative Assembly (Central) for several years, of which he was President in 1938. Has also been to the Labour Conference at Geneva and Economic Conference at Ottawa. Was Dewan,

Cochin State, 1938-41. *Ad.* "Hawarden" Race Course, Coimbatore.

CHHATARI, SIR MUHAMMAD AHMAD SAID KHAN, Captain, Nawab of, K. C. S. I., K. C. I. E., M. B. E., President, Nizam's Executive Council, *b.* 1888, *ed.*: Aligarh. Was member, U. P. Legislative Council; Minister of Industries, U. P.; Home Member, U. P. Was. Actg. Governor, U. P. in 1928 (for 8 months), and in 1938 (temp.). Was delegate to 1st and 2nd R. T. Conferences. Is a land holder and interested in education. *Ad.* Hyderabad, Deccan.

CHINYO NURMAHOMED MEHERALLY, J. P., *b.* 1888, *ed.*: Bombay. Is a Bombay industrial magnate, and connected with various banks, and insurance, tannery and motor companies, was President of Western India Automobile Association, Indian Roads and Transport Development Association etc. Was a Municipal Commissioner and member, Bombay Legislative Council. Is actively interested in Roads and Motor Transport problems and also associated with some premier sports assens. *Ad.* Meher Buildings, Chowpatty, Bombay 7.

CHINYO, SIR RAHIMTOOLA MEHERALLY, b. 1882, *ed.*: Bombay. Is a leading Bombay industrialist. Member of the Indian Red Cross Society. Is a member, Council of State. *Ad.* Meher Buildings, Chowpatty, Bombay 7.

CHINYO, SULTAN MEHERALLY, SIR, Kt., J. P. *b.* 1885, *ed.*: Bombay. Is member of several humanitarian and child welfare societies. A pioneer in India in the Motor car and petrol trade; mainly responsible for the introduction of wireless telegraphy in India on a commercial basis. Founder and Director, Indian Radio and Cable Communications Co. Ltd. President, Rotary Club, Bombay, Director, Bombay Board, Reserve Bank of India. Was also Mayor of

- Bombay. Is actively connected with the Indian Red Cross Society and also with a number of joint-stock companies. *Ad.* 'Dilbahar.' Carmichael Road, Bombay.
- CHITRAL, Mehtar of, CAPTAIN H. H. MEHTAR MAHAMMAD NASIR-UL-MULK**, *b.* 1897, *ed*; Islamia College, Peshawar. Stood first in B. A. (Punjab University). Has received military training and seen active service. The family claims descent from Tamerlane. His ancestors came from Herat and settled in Chitral. Is a progressive ruler, a poet, and an author (of a vol. of Persian poems). Represented the British Government on the Afghan Boundary Commission
- CHUNDER, NIRMAL CHUNDER**, M. A., B. L., M. L. A. (Central), Solicitor and prominent Congressman. *b.* 1888. *ed*: Calcutta Univ., Commissioner, Cal. Corporation 1915-21. In Congress ranks since 1919. Member, Bengal Legislative Council (Swaraj Party) 1923-26, Indian Legislative Assembly (Congress Party) 1926-30. Again M. L. A. (Central)—Congress Parliamentary Party since 1935. *Ad.* 23, Wellington Street, Calcutta.
- CLARKE, WALTER DOUGLAS MONTGOMERY, J. P.**, *b.* 1890; *ed*: Trinity College, Glenalmond. Was in the I. A. R. O. Has seen active service in the frontier. Was in business for several years. Is now His Majesty's Trade Commissioner, Bombay. *Ad.* 8, Wittet Road, Ballard Estate, Bombay.
- CLAYTON, SIR HUGH BYARD**, I. C. S., C.I.E., *b.* 1877, *ed*: Oxford. Has served in Bombay Presidency in various capacities. Was Municipal Commissioner, and Chairman, Haj Enquiry Committee, and member, Council of State. Chairman, Bombay-Sind Public Services Commission. *Ad.* Cambell-town, Bombay 26.
- CLOW, H. E. SIR ANDREW GOURLAY, M. A., K. C. S. I., C. I. E., F. S. S., I. C. S.**, *b.* 1890, *ed*: Cambridge, Governor of Assam. Was Controller of Labour Bureau, India Govt.; Delegate, International Labour Conference, Geneva; Secretary, Govt. of India, member, Legislative Assembly and Council of State and Royal Commission on Labour in India. Communications Member, Govt. of India. *Ad.* Govt. House, Shillong, COCHIN, Ruler of, (See p. 204).
- COOCH BEHAR, Ruler of**, (See p. 204).
- COUSINS, JAMES HENRY**, *b.* 1873, *ed*: Belfast and Dublin. Art Adviser to the Govt. of Travancore, and Head of the Department of Fine Arts, University of Travancore. Came to India as literary sub-editor, *New India*, Madras. Ex-Principal, Theosophical College, Madanapalle and of Brahmavidya Asram, Adyar. Has lectured throughout the world. *Pub.* 20 books of poetry included in *Collected Poems* (1940) a book of drama. *The Hound of Ulaoh* (1942) also 20 books of prose including *A study in synthesis* (1934) and *Artist* (1941) and 20 books of prose including *A Study in Synthesis* (1934) and *The Faith of the Artist* (1941). *Ad.* "Essendene", Trivandrum, Travancore, and "Ghat View," Kotagiri, Nilgiris.
- COUSINS, MRS. MARGARET E.**, Bachelor of Music, Patron, (Ex-President), All-India Women's Conference; *b.* Nov. 7, 1878; *m.* James H. Cousins (1908), Poet, Educator, Art Adviser to the Govt. of Travancore. *ed*: Victoria High School, Londonderry and the Royal Irish Academy of Music, Dublin. Founded Vegetarian Societies, Dublin (1904), New York (1931); imprisoned in England (1910) and Ireland (1918) for activities in the Militant Woman Suffrage Movement; organised women's deputation to the Hon. E. S. Mountagu at Madras which made the first demand for franchise for women of India: Joint Secretary Women's Indian Association (1920)

and Editor, *Stri Dharma* for some years. First woman in India to be appointed Honorary Bench Magistrate (1923). Organised first All-India Women's Conference, 1926; elected its President (1936) for Ahmedabad session. Lectured on Woman in India during a round the world tour (1928-1931-32). Imprisonment for a year in India for protesting against Ordinance Rule during Civil Disobedience Movement (1932-33). A pianist & was influential in raising the academic status of Music in Indian education. *Pub. The Awakening of Asian Womanhood; The Music of Orient & Occident; Indian Womanhood Today*, etc. *Ad.* Ghat View, Kotagiri, The Nilgiris, S. India.

CRAIK, SIR HENRY DUFFIELD, Bart., K.C.S.I., I. C. S., ex-Governor of the Punjab, 1938-41, *b.* Jan. 2, 1876, *ed.* Eton and Pembroke College, Oxford; Settlement Officer, 1899; Sessions Judge and Secretary, Home Department, Govt. of India, 1919-22; Commissioner, 1927; Member, Executive Council, Punjab, 1930-34; Home Member, Viceroy's Executive Council, 1934-38. *Ad.* Ootacamund, South India.

CUNNINGHAM, H. E., SIR GEORGE, K. C. S. I., K. C. I. E., O. B. E., I. C. S., Governor of N.-W. Frontier Province since March 3, 1937, *b.* March 23, 1888; *ed.* Fettes College, Edinburgh and Magdalen College, Oxford; *m.* K. M. Adair: I. C. S., 1911; served in the Political Department of the Govt. of India since 1914; severed in the N.-W. Frontier 1914-25; Counsellor, British Legation, Kabul 1925-26; Private Secretary to the Viceroy 1926-31; Home Member, N.-W. Frontier Prov. 1932-36. *Ad.* Government House, Peshawar.

CUTCH, Ruler of, (See p. 204).

DADABHOY, SIR MANECKJI BYRAMJEE, K. C. S. I., K. C. I. E., Kt., LD. D., Bar-at-Law, *b.* 1865,

joined Bombay Bar, 1887. Was President, All-India Industrial Conference, Calcutta: Member of Viceroy's Legislative Council, 1908-12, and 1914-17. Was nominated to the Council of State, of which he is now President since 1938. Was member of R. T. Conference, of Royal Commission on Indian Currency and Finance and of Indian Fiscal Commission. Governor, Imperial Bank of India 1921-32. *Pub.* Commentary on the Land Laws of the Central Provinces, etc. *Ad.* Nagpur. (C. P.).

DAGA, RAJA SIR BISESER DAS, K. C. I. E., *b.* 1887. *ed.*; privately. Is a banker, merchant, and mill-owner. Is a big business magnate, and philanthropist. *Ad.* Nagpur (C. P.), and Bikaner (Rajputna).

DALAL, SIR ARDESHIR RUSTOMJI, I. C. S. (Ret.), *b.* 1884, *ed.*: Bombay and Cambridge. After retirement, became director and partner, Messrs. Tata Sons, and other well-known concerns. *Ad.* Tata Iron & Steel Co., Ltd., Bombay House, Bruce Street, Bombay.

DALAL, THE HON'BLE MANOCKJI NADIRSHAW, M. I. C. E., F. I. A. A., F. I. A. S., J.P., *b.* 1905. *ed.*: London. Leader, Independent Party, Council of State; member, Central Advisory Council, Rly. Board 1939-40; Member of Executive Committee, Delhi University; Member Supply & Munitions Production Consultative Committee, Member, Ex. Committee India Roads & Transport Association and is on committee of Indian Merchants' Chamber, Bombay. Chartered civil engineer, architect and surveyor. *Ad.* 41 Cuffe Parade, Colaba Reclamation, Bombay.

DALMIA, JAIDAYAL, *b.* 1905. *ed.*; privately in Bombay and Calcutta. Has visited many machinery, paper and cement manufacturing centres in Great Britain and the continent, studying processes of manufacture there. The Dalmia Group of

- concerns, which includes sugar, paper, cement, etc., is mainly controlled by him as Managing Director. Is a keen social worker and philanthropist. *Ad.* Shantinagar, Karachi.
- DALMIA, SETH RAM KRISHNA, b.** 1898. Is widely read in Hindu philosophy and scriptures. Runs a group of factories manufacturing cement, paper, sugar and chemicals. Controls the Bharat Insee. Co. Ltd. of Lahore and the Bharat Bank Ltd, Delhi. His cement factories at Dalmianagar (Dehri-on-Sone) and Karachi are the biggest single unit plants in India. Has founded a trust for awarding scholarships for scientific studies abroad and given away millions in charities. *Ad.* Dalmianagar, Bihar.
- DAS, BASANTA KUMAR, B. A., B. L., M. L. A.,** Speaker, Assam Legislative Assembly, *b.* 1886 in the district of Sylhet; *m.* 1908 to Kusum Kumari; *ed.* Calcutta. Advocate, Calcutta High Court, joined Bar in 1910, leader, Sylhet Bar. A Congress man; took part in the non-co-operation and civil disobedience movements. Imprisoned for two years in 1932. A Swarajist Member of the Assam Legislative Council from 1923 to 1936, a Congress member of the Indian Legislative Assembly, 1934 to 1937, when he was elected to the Assam Legislative Assembly. Was elected several times President of the Sylhet Dist. Congress Committee and was Vice-President of the Bengal Provincial Congress Committee in 1935. *Pub.* a metric translation of the *Srimad-Bhagbat-Gita*. *Ad.* Chalibundar, Sylhet, Assam.
- DAS, MUKUNDA PRASAD, b.** 1883, *ed.* Orissa. A lawyer by profession. Is Speaker, Orissa Legislative Assembly. *Ad.* Balasore, Orissa.
- DAS, PANDIT NILKANTHA, M. A., M. L. A. (Central), b.** 1884 at Sriranchandrapur, Sakhi-gopal, Puri, *s.* of Ananda Das; appointed to a professorship, Calcutta University, 1920. resigned to join non-co-operation movement 1921; started national organization and a national high school at Sambalpur; imprisoned several times for political activities; President, Utkal Congress Committee for several terms. President, Utkal All-parties Conference; left Congress Party in 1940 and joined Congress Nationalist Party; Member, Indian Legislative Assembly 1925-30, resigned to join *Satyagraha* movement, re-elected 1935. *Pub.* *Arya Jiban, Konarke, Pranayini, Kharabela, Bhaktigatha, etc.* Editor, *Seba* (weekly) and *Nababharat* (monthly) also a daily. *Ad.* Sakhi-gopal, Dist. Puri, Orissa.
- DAS, RAM SARAN.** Honourable Rai-Bahadur, C. I. E., Kaisar-i-Hind Gold Medal (1914), *b.* Lahore, November 1876, *Ed.* Lahore. Is a leading business magnate of Punjab and connected with several Joint Stock Companies; Is Chairman Indian Institute of Bankers; Member, All-India Landholders' Association; President, Sanatan Dharam Pratinidhi Sabha and of Sanatan Dharam Callege; Member Punjab Chamber of Commerce and Northern India Chamber of Commerce and of Punjab Government Development Board. Is leader of the opposition Council of State. *Ad.* 1, Egerton Road, Lahore.
- DHANDHANIA, K. L. (Kisorilal),** Till recently Secy., Marwari Chamb. of Commerce, Calcutta; *b.* 1913; *s.* of Dedraj Dhandhania; *ed.* at Vidyasagar College, Calcutta. Is member, B. N. R. Local Advisory Committee, Textile Trade Marks Advisory Committee, Cotton-mill owner, Mica mines owner. *Ad.* 180, Harrison Road, Calcutta.
- DAS GUPTA B. M.,** Director, School of Tropical Medicine, Calcutta. *b.* 1887 at Baherak, Vikrampur, Dacca, *ed.* at Ichhapura High English School, Vikram-pore, St. Xavier's

College, Calcutta and Medical School, Dibrugarh (Assam). Employed under Assam Government in 1910 as a Sub-Assistant Surgeon, joined the Army Medical Service during the World War No. 1, and served in the N. W. F. of India. On reversion to Civil duty, joined the Pasteur Institute of Shillong; transferred to Bengal as Assistant Professor of Protozoology, School of Tropical Medicine, Calcutta in 1922. Promoted as Assistant Surgeon in the Bengal Medical Service in 1923. Appointed Professor of Protozoology on the death of Col. Knowles in 1936 and became Director, School of Tropical Medicine Calcutta in 1948. Awarded the Rockefeller Foundation Fellowship and also the Minto Medal for research work in Tropical Medicine, nominated Fellow of the State Medical Faculty of Bengal. Contributed numerous papers to Scientific Journals (Indian and Foreign) independently or in collaboration, author of revised edition of Col. Knowles's *Protozoology* (under printing). *Ad.* School of Tropical Medicine, Cal.

DAS GUPTA, KALIPADA, B. Sc., Headmaster, Govt. Indian School, Kampala, Africa; *b.* July, 1899; *s.* of Late Kaviraj Amritlal Das Gupta. Principal, Astanga Ayurved College, Calcutta; *m.* Prabhini Roy, B. A.: *ed.* Scottish Churches & City Colleges, Calcutta. Analytical & Research Chemist, Magadi Soda Coy, Lake Magadi, Kenya 1928-28; Kenya Education Dept. 1928-80; Member, Ex. Committee, E. African Indian National Congress. Jt. Secy, Indian Assoc. Nairobi 1931, Principal, H. H. Aga Khan's High School, Kampala, Uganda 1931-32; Hd. Master, Govt. Indian School since April, 1932; King George VI Coronation Medalist; Member, Uganda Society & various other educational, social and sports associations. Author of *Notes on Preliminary Phy-*

sics. *Ad.* Govt. Indian School, Kampala, Uganda, Br. East Africa. **DAS GUPTA, SATISH CHANDRA**, one of the greatest pioneers of chemical industry in India. *b.* 1882. Joined Bengal Chemical & Pharm. Wks. Ld. Became Superintendent; discovered innumerable processes, machineries and instruments there and helped to make the firm the largest in India. Renounced his profession and joined the Non-co-operation Movement. Led Khadi Movement in Bengal. Organised extensive flood-relief work in Bengal. Founded Khadi Pratisthan, a Charitable Trust for Development of Khaddar and Cottage Industries. Conducted and edited 'Rashtravani' a political fortnightly. Led Satyagraha Movement in Bengal 1930. Twice imprisoned. Released, joined the Harijan movement, Founded the Dead Cattle and Cottage Tanning Institutes. Imprisoned again and is now in jail. A voluminous writer and creator of Gandhi literature in Bengali. *Pub.* *Home and Village Doctor* and over 30 other Publication in Eng. Beng. and Hindi. *Ad.* Khadi Pratisthan, Sodepur, 24 Pargs.

DAS GUPTA, SURENDRA NATH, C. I. E., I. E. S., M. A., Ph. D. (Cal. & Cantab.), Hon. D. Litt. (Rome), King George V Prof. of Mental and Moral Science, Cal. Univ. *b.* 1887. *ed.* Calcutta; Griffith Prizeman. In Bengal Educ. Service as Senior Prof. of Sans. and Beng. and later Vice Principal, Chittagong College; Lecturer, Cambridge Univ. 1920-22; promoted to I. E. S. 1924 as Senior Prof. of European Phil., Presidency Coll., Calcutta; Principal, Govt. Sans. Coll., Calcutta & Secy., Bengal Sans. Assn. since 1931; Head of the Dept. of Sans. Studies, and Senator & Syndic. Cal. Univ. for long years; F. R. S. L. (Lond.); F. A. S. (Warsaw); Member of the Ayurvedic State Faculty of Bengal; President, International Congress of Buddhism, Benares Session. Represented Cam-

bridge University at Inter-Allied Congress of Philosophy, Paris 1921 and Calcutta Univ. and Bengal Educational Department at International Congress of Phil., Naples 1924 and Harvard 1926. Had special invitation to Russia 1926. Delivered Harris Foundation Lectures in Chicago and special courses of lectures in New York and many other important U. S. cities and Univs. 1926 and in Rome, Vienna, Berlin, and other important cities on the Continent 1935-6. Represented India at International Congress of Religion, London 1936 and Paris 1939. Lectured on Indian Art and Indian Medicine in Rome, Milan and Warsaw and on Psychology at Dr. Jung's Psychological Instt., Zurich 1939. President, Indian Philosophical Congress 1932, and Phil. Section of Indian Oriental Congress and of Bengal Literary Confe. several times. *Pub. A History of Indian Philosophy* (5 vols.—Cambridge Univ.); *A Study of Patanjali*; *Indian Idealism*; and 30 other titles in Eng. and Beng. including discourses on Yoga and Vedanta Phil., Tantra cul. Buddhism, Mysticism, contemporary philosophy and religion, literary criticism, Ayurveda and poetical works. 7 other treatises on European Idealism, Religion, Aesthetics, and Indian Art and Literature. *Ad.* 48/8, Manoharpukur Rd., Ballygunge, Calcutta.

DATTA, AKHIL CHANDRA, M. L. A. (Central), Deputy President, Central Assembly. *b.* 1869, *ed*: Tippera and Calcutta. Practising since 1897, as an advocate, Calcutta High Court, and Senior Advocate, Federal Court of India. Was in the Bengal Legislative Council, 1916-30. President Bengal Prov. Conference, 1918; President, Bengal & Assam Lawyers' Conference in 1936; President, B. P. C. C. 1927-28; Founder-President, Bengal Congress Nationalist Party;

in 1937 toured extensively in Europe addressing important big meetings in London, Paris, Berlin, Vienna, etc. defending the Indian Congress stand point with regard to acceptance of office. Was jailed in connection with Congress activities. Promoter of many industrial, banking and insurance concerns; Managing Director, Pioneer Bank Ltd.;

DATTA, KAMINI KUMAR, B.A., B.L., M. L. C., b. 1878, *ed*: Calcutta. Was in Bengal Govt. service for a time. Resigned later and became Advocate, Calcutta High Court. Leader, Congress Party, Bengal Legislative Council; member, A. I. C. C., etc. Is a well-known lawyer and politician. *Ad.* Comilla.

DATTA, N., B. A., G. D. A., b. 1892, *ed.* Dacca. Is prominent in Insurance circles in India and has helped in the growth of Hindusthan Co-operative Insurance Society, Calcutta of which he is now the Secretary. *Ad.* 38, Hindusthan Park, Calcutta.

DEHLAVI, SIR ALI MOHAMMED KHAN, Bar-at-Law., J. P., b. 1875, *ed*: Bombay and London. Was a journalist, practised law in Gujarat and Sind. Was President, Poona Mahommadan Educational Conference and First Educational Conference, Konkan. Was Minister of Palanpur State. Has served as Minister for Agriculture, Bombay Govt.; President, Bombay Legislative Council; Minister for Local Self-Govt., Bombay. *Ad.* Surat.

DELHI AND SIMLA, ARCHBISHOP OF, MOST REV. SYLVESTER PATRICK MULLIGAN, D. D., b. 1875, *ed*: Cork and Louvain Univ. In 1937, he was appointed Archbishop of Delhi and Simla. *Ad.* The Cathedral, New Delhi.

DERBYSHIRE, SIR HAROLD, M. A., LL. B., K. C., M. C., Bar-at-Law. b. 1886, *ed*: Cambridge. Served in the last Great War; was Hon. Major R.A.; Judge of Appeal, Isle of Man (U.K.); Chief Justice, Calcutta

High Court, since 1984. Is interested in social welfare work. *Ad.* High Court, Calcutta.

DESAI, BHULABHAI JIVANJEE, M. A., LL.B., M. L. A. (Central), b. 1877, ed : Bombay. Was a Professor of Economics and History for a time. Then joined the Bombay High Court ; officiated as Advocate-General of Bombay. Is a leading Congress man. Took part in the Congress civil disobedience movement, was jailed and fined. Leads Opposition in the Indian Legislative Assembly. *Ad.* 89, Warden Road, Bombay.

DESHMUKH GOPAL VINAYAK, F. R. C. S., M. D. (Lond), L. M. & S. (Bomb.), M. L. A., b. 1884, ed : Nagpur, Bombay and London. Is a well-known surgeon and physician, Bombay. Was President of Bombay Municipal Corporation. Is member of Central Legislative Assembly from Bombay city. Has written on medicine and social reform. *Ad.* Pedder Road, Bombay.

DESHMUKH, P. S., M. A., D. Phil., Bar-at-Law, b. 1898. ed : Poona, Oxford and Edinburgh. Chairman, Shivaji Education Society ; formerly Minister for Education and Agriculture, C. P. ; Chairman, Co-operative Central Bank. Politician, Scholar and Social Reformer. *Ad.* Amraoti, Berar.

DHAR, Ruler of, (see p. 205).

DHOLPUR, Ruler of, (see p. 205).

DHRANGADHRA, MAJOR H. H. MAHARAJA MAHARANA SHRI SIR GHANSHYAMSINHJI, G. C.I.E., K.C. S. I., Maharaja Sahab of, b. 1898, succeeded to the gaddi, 1911, ed : Rajkumar College, Rajkot and privately in England, *m.* five times. Has three sons.

DHRANGADHRA, Yuvaraja of, MAHARAJ YUVARAJ KUMAR SHRI MAYURDHWAJSIINHJI, Heir-apparent of the State, b. 1923, ed : Privately. Went to England for further education, but owing to outbreak of present war, returned home 1939 ;

then joined Dehra Dun School. The Kumar is much interested in games and has made his mark as a sportsman.

DIN MOHAMED, SHEIKH, Khan Bahadur, M. A., LL. B., b. 1886, ed : Lahore. Started law practice, 1910. was President Municipal Committee, Gujranwala, for many years : Member, Indian Delimitation Comte. 1935-6 ; Puisne Judge, High Court, Lahore since 1937. *Ad.* High Court, Lahore.

DOW, H. E. SIR HUGH, K. C. S. I., C. I. E., I. C. S., Governor of Sind since April 1941, b. 1886, ed : London. Asst. Collector of Sind, 1909 ; Dy. Secretary, Finance, Bombay, 1921 ; Actg. Secretary, 1923. Revenue officer, Lloyd Barrage Scheme, Sind, 1927-33. Chairman, Sind Administrative Committee, 1933-34. Joint Secy., Commerce Dept., Government of India, 1934-36 and Secretary, 1936-39. Director-General of Supply, 1939 and Vice-President, War Supply Board, 1940-41. *Ad.* Governor's Camp, Sind.

DUTT, SM. LABANYA PROVA,— President, Bengal Prov. Congress Committee ; *b.* 1890 at Berhampur (Bengal) ; *d.* of Hemchandra Roy, *m.* 1899 to Jatindranath Dutta, pleader of Jessore ; widowhood at 28 ; orthodox Vaishnava ; imprisoned several times for freedom movements ; Dictator, Bengal Prov. Congress Committee, 1940 ; elected President (first lady) 1940-48. *Ad.* 10, Suburban School Road, Calcutta.

EBRAHIM, SIR CURRIMBHOY, 3rd Baronet, J. P., b. 1908. Is a business magnate and philanthropist of Bombay. Is a member, Executive Committee, Indian Merchants' Chamber ; President of Moslem Committee, Bombay ; member, All-India Moslem League and of the Bombay Municipal Corporation. Is interested in Moslem education. *Ad.* Belvedere, Warden Road, Bombay.

EDWARDS, JAMES FAIRBROTHER,

Rev. b. 1875, ed: Birmingham. English Editor of *Dnyanodaya* and editor of the *Poet Saints of Maharashtra* series. Ad. 1, Staveley Road, Poona.

ERNAKULAM, ARCHBISHOP OF, (AUGUSTINE KANDATHIL), D. D., His Grace the Most Rev., Head of the Syro-Malabar Ecclesiastical Province of Roman Catholics, who have for the very vast majority of them a pure Indian nationality and numbering about 9 lakhs of whom over 2½ lakhs are under his direct jurisdiction and the rest under his Suffragans, Bishops of Changancherry, Trichur and Kottayam, b. Aug. 1874, at Ohemp, Travancore. Studied at Kandy till ordination in 1901. Then a parish-priest; afterwards Rector of Petit Seminary, and in 1911 Bishop of Arad and Co-adjutor with right of succession to the Vicar Apostolic of Ernakulam. Title: Assistant at the Pontifical Throne. Ad. Ernakulam.

FARIDKOT, Ruler of, (See p. 206).

FIELD, LT.-COLONEL SIR DONALD MOYLE, Kt., C. I. E., Chief Minister Government of Jodhpur; b. 19th Nov. 1881; ed: Tonbridge School and R. M. C., Sandhurst. Indian Army 1900-7, Political Department. Government of India, 1907-1935. Chief Minister, Jodhpur, since 1935, C. I. E., 1935, Knighthood, 1937. Ad. Jodhpur.

GANDHI, MOHANDAS KARAMCHAND, Bar-at-Law, the one man, who is most identified with whatever is Indian nationalism now. Is a stoic denouncer of modern life and civilization, much in the line of Count Tolstoi. b. 2nd October, 1869; ed: Rajkot and London. Started practice in South Africa. Helped Govt. during Boer War, Zulu rebellion, and the last Great War. Returning from Africa, set up practice in Bombay, which he soon gave up. Started *satyagraha* campaign, 1918, non-co-operation movement, 1920;

helped the Ali Brothers in their Khilafat agitation. Was jailed in 1922, but released in 1924. Became a prominent Congressman, whose words became law with millions of Indians. Broke the salt laws, 1930. Was President, Indian National Congress, 1924. Interned 1930, released after a few months. Went to R. T. Conference, 1931. Signed Irwin-Gandhi Pact of truce 1931. Again jailed, 1932; released next year. Over Rajkot affairs, took a 'fast unto death' vow at Rajkot, 1939. Matter compromised by the Chief Justice of India. Started fresh *Satyagraha* campaign at the end of 1940. Is the virtual dictator of the Congress, has refused help to Govt. in present war, unless Congress terms are accepted. Is now under detention under Defence Rules. Has started a campaign in favour of the Harijans for their social and religious uplift. Supports Wardha Scheme of education. Observes silence once a week. Is a strict vegetarian. Insists on use of *khaddar* and propagates his *charkha* gospel. Remaking modern India. Pub. Has written a number of books on politics and sociology. His Autobiography—*Experiments with Truth, Young India, Indian Home Rule*, etc., have gone into many editions, Ad. Sevagram near Wardha. C. P.

GANGULI, NAGENDRA NATH, M. Sc., Ph. D., C. I. E., b. 1889. Member, Imperial Council of Agricultural Research. ed: Calcutta. U. S. A., and London. Was member, Royal Commission on Agriculture in India. Lecturer, Agriculture and Rural Economics, Calcutta University, 1921-31. Has written on agriculture, health, constitutional reforms, etc. Ad. New Delhi.

GENTLE, FREDERICK WILLIAM, M. A., Bar-at-Law, b. 1892; ed: Cambridge. Took part in the last Great War. Was Recorder of Margate. Judge High Court, Madras

- 1936-41; Judge, High Court, Calcutta from 1941. *Ad.* High Court, Calcutta.
- GERARD, R. H. M., B. A., B. Sc., L. Methodology, Licencié Superior degree in Econ. and Consular Sc., Consul-General of Belgium, Calcutta, since 10th June 1940, *b.* 8th August 1888, *m.* Gerard, Anne-Marie. *ed.* : St. Joseph's College Virton and Catholic University, Louvain (Belgium) 1906-1911. Appointed in the Belgian Foreign Service, February 1912. Counsellor to the Belgian Embassy in China 1931-37, Consul-General at Bombay Nov. 1937 till June 1940. Officer, Order of Leopold, King Albert's Medal 1914-1918, Belgian D. S. M. Is the recipient of honour from China, Siam, Roumania and China. *Pub.* Many contributions in various magazines and newspapers on political and economic topics. *Ad.* Grand Hotel, Calcutta.
- GERARD, CHARLES ROBERT, A. R. C. A., R. O. I., R. B. A., F. R. S. A., J. P., *ed.* : London, Paris, Antwerp, Italy, where he studied painting. Has exhibited in U. K., Canada, etc. Is Director of Sir J. J. School of Art, Bombay. Member, Board of Trustees, Prince of Wales Museum, Bombay. *Ad.* School of Art Bungalow, Bombay.
- GHOSH, DR. Sir J. C., Kt., D. Sc., Director Indian Institute of Science, Bangalore since August 1939; *b.* 14th Sept. 1894, *s.* of Late Ram Chandra Ghosh; *m.* Nilima Palit 1922; *ed.* : Presidency College, Calcutta; Palit Scholarship and Premchand Roychand Studentship, 1918 : was in Europe, 1918-1921; Lecturer in Chemistry, Calcutta University, 1915-21; Professor and Head of the Department of Chemistry, Dacca University, 1921-39; Dean of the Faculty of Science, Dacca University, 1924-1928; Provost Dacca Hall, 1926-39. Member Imperial Council of Agricultural Research since 1931; Governing Body, Indian Research Fund Association, 1935-39; Indian National Planning Committee since 1938; Board of Scientific and Industrial Research, since 1940; President, Indian Chemical Society, 1935-37; Chemistry Section of the Indian Science Congress, Benares, 1925; General President, Indian Science Congress, Lahore, 1939. *Pub.* Numerous publications in various journals in Europe and in India relating to abnormality of strong electrolytes, commonly known as "Ghosh's Law of Dilution"; various problems in photo-chemistry; gas reactions, studies, on fluorescence : studies on vitamin C, etc. etc. *Ad.* Indian Institute of Science, Malleswaram, Bangalore.
- GHOSH, SIR SARAT KUMAR, M. A. I. C. S.; *b.* 1879, *ed.* : Calcutta, London Cambridge. Served as Magistrate and Dist. Judge, Bengal. Was Judge, Calcutta High Court, Ret. 1939. *Ad.* 2, Regent Park, Calcutta.
- GHUZZNAVI, SIR ABDUL HALIM ABUL HOSSAIN KHAN, M. L. A. (central), *b.* 1876, *ed.* : Calcutta. Was once a prominent Congressman. Has served on many Govt. Committees. Attended the three R. T. Conferences as delegate. Is member, Court of Dacca and Aligarh Universities. Presided over Moslem Conference, Cawnpore, 1929. Is a zaminder and merchant. *Ad.* 18, Canal Street, Fintally, Calcutta.
- GILDER, MANCHERSA DHANJIBHAI DORABJI, B. A., L. M. S., Bombay, M. D. (Lond.), F. R. C. S., *b.* 1882, *ed.* : Bombay, and London. Lecturer in Medicine, Seth G. S. Medical College, Bombay; Hony. Physician, King Edward VII Memorial Hospital, Bombay. Is ex-Minister Bombay Govt. Has written on medicine. *Ad.* Warden Road, Bombay.
- GINWALA, SIR PADAMJI PESTONJI, B. A., Bar-at-Law, *b.* 1875, *ed.* : Ahmedabad and Cambridge. Joined Bar 1899. Was advocate, Chief

- Court of Lower Burma : Secy., Legislative Council, Burma ; President, Rangoon Municipal Corporation, member, and later President, Indian Tariff Board delegate to Imperial Conference. R. T. Conference and Ottawa Conference. Has large commercial interests. Is Director of several large industrial concerns. *Ad.* 12, Mission Row, Calcutta.
- GLANCY, H. E. SIR BERTRAND JAMES, K. C. S. I., C. S. I., K.C.I.E., I. C. S.,** Governor of the Punjab, since April 7, 1941, *b.* 1882, *ed* : Oxford. Served as political adviser to H. E. the Crown Representative. *Ad.* Governor's Camp, Punjab.
- GOVINDOSSY CHATHOORBHOOJADOSS, Diwan Bahadur, Ex-M. L. C.** *b.* 20 Feb. 1887 ; leading Indian Merchant and Banker in Madras, senior partner of Messrs. Chathoorbhoojadoss Khoosaldoss and Sons ; Sheriff of Madras, 1914 ; Presented a statue of late H. M. King George V to Madras city ; a founder of the Southern India Chamber of Commerce ; Vice-President of the S. P. C. A. ; was Trustee of the Madras Port for 15 years ; President, Hindu Central Committee ; Member, Local Board of the Reserve Bank of India, Madras Member, Board of Studies, University of Madras. *Ad.* 459, Mint St., Park Town, Madras.
- GODBOLE, YESHWANT. ANANT, B.A., LL.B. (Cantab) C.I.E., I.C.S.,** Chief Secretary to the Govt. of Bihar ; *b.* 4th Jan, 1889. Joined the I. C. S. in 1918 ; was confirmed as a Magte. & Collector in 1928. Has worked as manager, Banaili Estate ; Regr. of Co-operative Societies & Director of Industries, B & O. Has been the Chief Secretary to Govt. of Bihar since Nov. 1939. *Ad.* Secretariat, Patna, Bihar.
- GOENKA, SIR BADRIDAS, Kt., C.I.E., Rai Bahadur, B.A.,** *b.* 1883 ; *ed* : Calcutta. Is a big commercial magnate, banker, mill-owner and Zamindar, Chairman or director of many companies British and Indian including Imperial Bank : Fellow, Univ. of Calcutta. Trustee, Calcutta Improvement Trust, Victoria Memorial Hall, Calcutta, Calcutta Deaf and Dumb School ; Hony. Presidency Magistrate, Calcutta. Was member, Bengal Legislative Council, Sheriff of Calcutta, Municipal Councillor and President, Marwari Assocn. Is a Trustee, Marwari Hindu Hospital and President, Pinjrapole Society. *Ad.* "Goenka House", 145, Muktaran Babu St., Calcutta.
- GONDAL, Ruler of, (See p. 206).**
- GOSWAMI THE HON. KUMAR TULSI CHANDRA, M. A. (Oxon),** *b.* 1898 ; *ed* : Calcutta, Paris, Oxford. Member of Bengal Legislative Assembly and Deputy Leader, Bengal Congress Assembly Party, Delegate to Empire Parliamentary Association, Canada, 1928, A big landholder. Appointed Finance Minister, Govt. of Bengal, April 1943. *Ad.* Rainey Park, Ballygunge, Calcutta ; The Raj Barea, Serampore.
- GOUR, SIR HARISINGH, M. A., LL.D., D. C. L., D. Litt., Bar-at-Law,** social reformer, *b.* 1872 ; *ed* : Nagpur and Cambridge. Was Member of the Indian Legislative Assembly ; President, Nagpur Municipal Committee ; delegate to Joint Parliamentary Committee, 1938 ; Vice-Chancellor, Delhi Univ. *Pub. Penal Law of British India, Hindu Code, The Law of Transfer in British India, The Spirit of Buddhism.* etc. *Ad.* Nagpur, C. P.
- GRAHAM, HAROLD, M. A., C. I. E., I. C. S.,** *b.* 1889 ; *ed* : Oxford. Joined I. C. S. 1912. Saw service in last Great War. Has served as Dist. Magistrate and Dist. and Sessions Judge, Bengal. Is Commissioner, Presy. Div., Bengal. *Ad.* 4, Theatre Road, Calcutta.
- GUPTA, GHANSHYAM SING, B. Sc., LL. B.,** *b.* 1886 ; *ed* ; Jubbulpur and Allahabad. A leading Congressman. Was member, A. I. C. C., 1921-86 ;

- Member, C. P. Legislative Council : M. L. A. (Central) ; President, Arya Samaj of C. P. and Berar. Is now Speaker, C. P. Legislative Assembly. *Ad. Drug, C. P.*
- GUPTA, MRS. PREMLATA, B. A. (Nagpur), B. A. (Hons.) (London). *b.* 1915. *m.* Mr. L. N. Gupta, B. Sc., H.C.S.(1938), *ed* : at Mahila Vidyalay at Lucknow and School of Oriental Studies, Lond. Active worker of the All-India Women's Conference; Was a member of the Standing Committee ; President, Mahila Navajivan Mandal & Pathshala. Secretary, Hyderabad Fellowship. Writes articles for English & Hindu Journals. *Ad. Bashirbagh Road, Hyderabad (Dec.).*
- GUPTA, SATYENDRA NATH, B. A. C. I. E., I. C. S., *b.* 1895, *ed* : London and Cambridge. Joined I. C. S. 1913. Was Magistrate and Collector Bengal. Deputy Trade Commissioner, London, 1928 ; Indian Trade Commissioner, Hamburg, 1931-37. Collector of Customs, Bombay. At present Collector of Customs, Karachi. *Ad. Custom House, Karachi, Sind.*
- GWALIOR, Ruler of (See p. 207).
- GWYER, SIR MAURICE, Kt., D.O.L., K.C.S.I., K.C.B. ; *b.* 1878. *ed* : Oxford. Was Legal Adviser, Ministry of Shipping and Ministry of Health ; First Parliamentary Counsel to Treasury and Chief Justice of India till 1943 ; Is Vice-Chancellor, Delhi Univ.
- HABIBULLAH, NAWAB SIR MOHAMAD, Sahib Bahadur, Khan Bahadur, K. C. S. I., K. C. I. E., LL. D., *b.* 1869, *ed* ; Saidapet. Joined Bar, 1888 ; was Chairman of Municipal Council of Taluk Board and Dist. Board ; M. L. C., Madras, 1909-12. Commissioner, Madras Corporation ; was member, Royal Commission on Superior Civil Service in India ; member, Exec. Council, Madras ; member, Viceroy's Council, 1925-30, Leader, Indian Delegation to South Africa 1926-7 ; Leader, Indian Delegation to League of Nations 1929. Dewan of Travancore 1934-6. *Ad. Worli, Bombay.*
- HAKSAR, KAILAS NARAIN, COL. SIR, Kt., B.A., C.I.E., LL.D., *b.* 1878 ; *ed* : Gwalior and Allahabad. Was honorary Professor of History and Philosophy. Private Secretary to Maharaja Scindia, 1903-12 ; is Colonel, Gwalior Army. Was senior member, Board of Revenue, 1909-14 ; went as delegate to two R. T. Conferences : Political Member, Gwalior Durbar, 1912-37 ; Prime Minister, Bikaner State, 1938-39. Is now Prime Minister of Jammu and Kashmir. Author of several books on politics. *Ad. Srinagar (Kashmir).*
- HALDER, ASIT KUMAR, *b.* Cal. 10th Sept. 1890. Famous artist. Copied Ajanta frescoes (1909-10), Jogimara Cave paintings (1914), Bagh Cave Paintings (1922). Worked as Principal, Kalabhavan, Santiniketan (1919-22). Principal Maharaja School of Arts, Jaipur (1924) and since 1925, Principal, Govt. School of Arts and Crafts, Lucknow. Obtained Adhar Mukerjee Lectureship, Calcutta University, made Fellow of the Royal Society of Arts, London. *Pub. Art and Tradition, Illustrated Omar Khayyam, Khayyalia, Ajanta* (in Bengali) with Foreword by Dr. Abanindra N. Tagore, *Bagh cave and Ramgarh* (in Bengali) with Foreword by Dr. Rabindranath Tagore, and many Bengali dramas and books for children. *Ad. Badshahbag, Lucknow.*
- HALLETT, H. E., SIR MAURICE GARNIER, Kt., G.C.I.E., K.C.S.I., I.C.S., Governor of the United Provinces, since Dec. 6, 1939, *b.* Oct. 28, 1883, *ed* : Winchester College and New College, Oxford, *m.* G. C. M. Veasey ; I. C. S., 1907 ; Under-Secretary, Bihar and Orissa 1918-15 ; Magistrate and Collector 1915-20 ; Secy., Local Self-Government Dept., Bihar and Orissa, 1919-24 ; Magistrate and Collector, 1925-29 ;

Commissioner 1929-30 ; Chief Secretary, Bihar & Orissa 1930-32, Home Secretary, Govt. of India, 1932-36 ; Governor of Bihar 1937-39. *Ad.* Governor's Camp. U. P.

HANWANT SINGHJI SAHIB, MAHARAJ KUMAR SHRI, Heir-apparent of Jodhpur. Son of present Ruler of Jodhpur State, *b.* 16th July, 1928.

HARBANS SINGH BRAR, SIRDAR, Bar-at-Law, M. R. A. S., F. R. G. S., F. R. S. A., F. R. E. S., F. R. H. S., Chief Justice and Judicial Minister, Malerkotla State, and a big land-owner in Punjab. *b.* 1905, *ed.* : Lahore, Edinburgh, London. *m.* Jaswant Kaur, M. R. A. S., F. R. G. S., five *d.* one *s.* Took training in railway traffic (England) : travelled extensively in India and Europe ; was President, Khalsa Association (London) ; member, D. B., Ferozepore ; elected member, Indian Legislative Assembly, Chairman of several Boards and member of some Govt. of India Committees. Member, Court of Delhi University ; apptd. Judge, High Court, Patiala State. 1932.

HASHEMI, SYED JALALUDDIN, M. L. A., Deputy Speaker, Bengal Legislative Assembly. *b.* 2nd Jan. 1894. *s.* of late Moulvi Syed Alam Shah. *ed.* : Ripon College, Cal. Was wounded in tiger-hunting excursion in Oct. 1918. Joined non-co-operation movement in 1920 ; convicted on charges of sedition first at Jessore in 1921 and again at Dinajpur in 1926, Elected member of Bengal Legislative Council in 1928. Took part in Civil Disobedience movement and convicted on four occasions since 1932 for political activities ; unseated from his membership of the Bengal Legislative Council by Sir Stanley Jackson, the then Governor of Bengal. Re-elected member of Bengal Legislative Assembly in 1937 and elected its Deputy Speaker in 1941. He was all along a member of the All-India Congress Committee up to

1937. Was Councillor, Calcutta Corporation 1938-39. *Ad.* P2. Suhrawardy Avenue, Park Circus, Calcutta.

HATTIANGADI, SANKAR RAU, B. A., C. I. E., *b.* 1887, *ed.* : Madras ; joined Govt. of India Audit Dept., Became under-Secy. to Govt. of India. Dy. Controller, Bombay Currency, 1931, and Controller, 1935. President, Karnatak Association, Bombay, 1937-38 ; and of Bombay Home. Medical Association, 1937-38 ; *Pub. Indian Thought in Shelley and Tennyson, etc.* *Ad.* 2, Laburnum Road, Bombay.

HAYLES, ALFRED ARTHUR, *b.* 1887. Is a well-known journalist. Edits *The Mail*. *Pub. Ten Thousand Miles in Africa, etc.* *Ad.* Sunnyside White's Road, Madras.

HERAS, HENRY, S. J., M. A., Director of Indian Historical Research Institute. St. Xavier's College, Bombay ; Professor of Indian History and Ancient Indian Culture, University of Bombay ; Member of the Indian Historical Records Commission ; Member of the International Committee of Historical Sciences ; and Academia Espanola de la Historia, Madrid ; Awarded the Gold Cross of Merit by the Republic of Poland, and the Decoration of Learning (II class) by the King of Afghanistan, *b.* Sept. 11, 1888 ; *ed.* : at Barcelona and at Cleveland, Ohio. U. S. A. *Pub. The Aravindu Dynasty of Vijayanagara ; The Writing of History ; Studies in Pallava History and Pallava Geneology ; Beginnings of Vijayanagara History.* At present engaged in *maynum opus* on *Proto-Indian History and Civilization* based on his decipherment of the Inscriptions of Mohenjo-Daro and Indus Valley. *Ad.* St. Xavier's College, Bombay.

HERBERT, H. E., SIR JOHN ARTHUR, G. C. I. E., D. L., J. P., Governor of Bengal from 1939. *b.* 1895, *ed.* : Wellington and Harvard,

m. Lady Mary Theresa Fox-Strangways, 1924; served in the Royal Horse Guards in the Great War. 1916-18; A. D. C. to Viceroy, 1926-28; M. P. for Monmouth, 1934-39; Parliamentary Private Secy. to Parliamentary Secy., Admiralty, 1935 and to Under-Secretary for India, 1936. Is on leave due to ill health since August 1948.

HYDAYATULLA, SIR GHULAM HUSSAIN, Kt., K. C. S. I., M. L. A., Premier of Sind; was for some time Minister in charge of Law and Order. *b.* 1879. *ed.* Karachi. Member old Bom. Council, 1912; Minister, Bom., 1921-28; Member, Executive Council, Bombay, 1928-34. Attended the R. T. Conference (twice). Was also Premier of the Sind in 1937. *Ad.* Seafeld Road, Karachi.

HIGGINBOTTOM, SAM, Missionary, *b.* Manchester Oct. 27, 1874, went to U. S. 1894, *ed.* Princeton University. Hon. Dr. Philanthropy 1925; B. Sc. in Agri., Ohio State University 1911; LL. D. Western Reserve University 1939; *m.* Jane Ethlind Cody 1904, Bombay; six children; organizer, Allahabad Agricultural Institute, active on behalf of lepers and the blind, Kaiser-i-Hind gold medal 1924, *Pub.* *The Gospel and the Plow, What does Jesus Expect of His Church.* *Ad.* Agricultural Institute, Allahabad U. P.

HOGG, SIR GILBERT PICTAIRN, Kt., M. A., K. C. S. I., I. C. S., *b.* 1884; *ed.* Glasgow. Joined I. C. S., 1907. Served in various capacities in Bengal. Was Commissioner of Excise and Salt; Director of Industries; Secretary, Govt. of Bengal, 1928, and Chief Secretary, 1938 and was Secretary, Home Dept. Government of Bengal.

HOME, AMAL (CHANDRA), Editor, "Cal. Municipal Gazette" *b.* 1894; *m.* Ila Sarkar, daughter of the late

Dr. B. B. Sarkar and Grand daughter of the late Pandit Sivanath Sastri. Educated, Calcutta University; served apprenticeship in Journalism, on "The Bengali" and the "Modern Review," Assistant Editor, "The Punjabee", Lahore (1917-18); Senior Assistant Editor, "The Tribune", Lahore (1918-20); Acted as Editor of the "Tribune" during the Punjab Disturbances of 1919 when the Editor Kalinath Ray was imprisoned; later joined "The Independent" of Allahabad as Assistant Editor (1920-21); Asst. Editor, "The Indian Daily News" of Calcutta (1921-24). Appointed Editor of "The Municipal Gazette" in 1924. Organized the first All-India Social Service Conference in Calcutta with M. K. Gandhi as President, 1917; planned and organized the Tagore Septenary (*Rabindra-Jayanti*) in Calcutta 1931; presided over the Education Section of the first All-India Local Self-Government Conference at Delhi in 1936. *Publications*: "Twelve Portraits" (1916); "Rammohun Roy The Man And His Work" (1933); "Some Aspects of Modern Journalism in India" (1935). *Ad.* Central Municipal Office, Calcutta.

HOPE, H. E. THE HON. SIR ARTHUR OSWALD JAMES, Kt., G. C. I. E., M. C., Governor of Madras since March 12, 1940; *b.* May 7, 1897, *ed.* Oratory School, Sandhurst, *m.* Grizel, *d.* of Brig.-Gen. Sir S. Gordon Gilmour; four daughters; Coldstream Guards 1914, France 1915-19; served in Turkey 1922-23 M. P. (Con.) Nuneaton Div. of Warwickshire 1924-29. M. P. (U.) Aston 1931-39; Parliamentary Private Secretary to Secretary Mines, 1924-26; Asst. Whip (unpaid), 1935; a Lord of the Treasury (unpaid), 1935-37; Treasurer of H. M. Household 1937-39. *Ad.* Government House, Madras.

HORNIMAN, BENJAMIN GUY, *b.*

- 1873, *ed*: England. Has been connected with journalism for about 45 years. Was on the staff of the *Calcutta Statesman* and founded *Bombay Chronicle*. Takes active part in Indian politics. Edits *The Bombay Sentinel*. President. Journalists' Association of India. *Ad*. Worli. Bombay.
- HORWILL, LIONEL CLIFFORD** B. Sc., A. R. C. Sc., Bar-at-Law., I. C. S., *b*. 1890, *ed*: London and Oxford. Joined I. C. S., 1915. Served in India and Mesopotamia, 1916-19. Was Asst. Commissioner, Vizagapatam Agencies 1919-24. Is Judge, High Court, Madras. *Ad*. The Madras Club, Madras.
- HUBBACK, GEORGE CLAY, RIGHT REV. D. D., B. Sc., b. 1882, *ed*: Liverpool. Was an Engineer, 1902-8. Became a priest later. Is now Bishop of Assam. *Ad*. Bishop's House, Dibrugarh, Assam,**
- HAQ, ABUL KASEM FAZLUL, M. A., B. L., M. L. A., Ex-Chief Minister, Bengal. b. 1873, *ed*: Calcutta. Started as Professor, Raj Chandra College. Edited two journals. Joined Govt. Service, Dy. Mag.-Coll. 1906; Asst. Registrar, Co-operative Dept., Bengal, Assam, Bihar, 1908-12. Resigned Govt. service and joined Bar. Elected member, Bengal Legislature 1913-85, Central Legislature 1935-7; Bengal's Education Minister 1924; was President, All-India Moslem League; Gen. Secy., Indian National Congress, 1918. Delegate to two R. T. Conferences. Founder and President, Krishak Praja Party since 1937. Was Mayor of Calcutta, 1935-36. Premier, Bengal continuously since 1937. Resigned premiership in March 1948. *Ad*. 88/2, Jhautola Road, Calcutta.**
- H Y D A R I, MAHAMAD SALEH AKBAR, B. A., C. S. I., C. I. E., I. C. S. b. 1894, *ed*: Bombay and Oxford. Secy., Govt. of India Indust. Dept.; Secy., Imperial Council of Agricultural Research; Agent to Govt. of India in Ceylon; Jt. Secy. to Indian States Delegation to R.T. Conference 1931; Secy. to Govt. of India, Labour Dept.; Representative of India, Eastern Group Supply Council 1941. *Ad*. 8, King George's Avenue, New Delhi, and Greenwood Court, Simla.**
- HYDERABAD & BERAR, Ruler of, (See p. 208).**
- HYDERABAD, Heir-Apparent of H. H. GENERAL WALASHAN NAWAB MIR HIMAYAT ALI KHAN AZAM JAH BAHADUR, PRINCE OF BERAR, b. 1907, *ed*: Hyderabad. Has received good military training. Is a fine sportsman and hunter. Has travelled widely. The British Govt. have conferred on him the hereditary title of Prince of Berar by virtue of Berar agreement of 1936. His Highness has been taking pains to make the State army fully efficient. Is interested in rural uplift work and in education. By his sympathy towards the subjects of the State, he has endeared himself to all classes.**
- IDAR, Ruler of, (See p. 208)**
- INDORE, Ruler of, (See p. 209)**
- ISHAQUE, HAFIZ SYED MAHMED, B. Sc. (Alig.), M. Sc. (Luck), I. C. S., b. 1906, *ed*: Aligarh and Lucknow, with a brilliant record, academic and social. Appointed Asst. Meteorologist, Karachi, 1928-29. Later successfully competed for the I. C. S. Came to Bengal, 1931, took charge of the Patuakhali Sub-division, 1934-36 and of Serajganj Sub-division, 1936-38. Applied himself to a wide variety of nation-building activities with singular zeal and conspicuous success. Secretary to the Chaukidari Enquiry Committee, 1938. Special Officer, Rural Reconstruction Training Camp, 1940; now Chief Controller of Jute Regulation, Director of Rural Reconstruction and Provisional Organiser of the National War Front and Special Officer, Civil Supplies. Member, Primary and Adult Educa-**

tion Committees, the Board of Eco. Enquiry, the Board of Agriculture and Veterinary, Bengal. *Pub. Rural Bengal* and numerous brochures, monographs and articles on Rural Reconstruction and allied subjects. *Ad.* P 489 Southern Avenue, Ballyganj, Calcutta.

ISMAIL, SIR MIRZA M., AMIN-UL-MULK, Kt., K.C.I.E., O.B.E., Prime Minister, Jaipur. *b.* at Bangalore, 23rd Oct. 1883, *s.* of Late Mr. Aga Jan : *m.* Zebinda Begum, *d.* of the late Mr. Muhammad Mirza Shirazee of Bombay. *ed.* : at Wesleyan Mission High School, Bangalore Royal School ; B. A. Central College in 1905. Entered Mysore Civil Service same year. Joined the personal staff of H. H. the Maharaja, 1908. Rose to be His Highness's Huzur Secretary in 1914 and His Highness's Private Secretary in 1922. Became Dewan on the 1st May. 1926 ; obtained the title of "Amin-ul-Mulk" in 1920, followed by a series of titles, viz., the Order of the British Empire in Jan. 1923, the Order of the Commander of the Indian Empire in June 1924, and Knighthood in Jan. 1930. In January 1936, made the Knight Commander of the Most Eminent Order of the Indian Empire. Represented the South Indian States of Mysore, Travancore, Cochin and Pudukkottai, at the First Round Table Conference and the States of Mysore, Jaipur and Jodhpur at the Second Round Table Conference. Took leading part in the Third Round Table Conference and the deliberations of the Joint Parliamentary Committee on Indian Reforms. Delivered the Convocation address of the Annamalai University, 1935, and of Madras University, 1938. In June 1936, he accompanied H. H. to Europe. Invited by the Government of India to lead the Indian Delegation to the Inter-Governmental Conference of Far Eastern countries on Rural Hygiene

held at Bandoeng (Java) in August 1937. "Commander" (Associate) of the Venerable Order of St. John (1937). Dewan of Mysore up to 1941. Appointed Prime Minister of Jaipur State, 18th June, 1942. *Ad.* Jaipur. JADHAV, BHASKARRAO VITHOJIRAO, M. A., LL. B., *b.* 1867, *ed.* ; at Bombay. Served Kolhapur State. Prominently connected with non-Brahman movement. Was Minister of Education, Bombay Government ; later, Minister, Agriculture. Elected Member, Central Legislative Assembly. Delegate, R. T. Conference (1930-31), connected with several business concerns. *Ad.* Shahupuri, Kolhapur, Dadar, Bombay 14.

JAIN, SANTIPRASAD, B. Sc. *b.* 1912, *ed.* : Benares and Agra. A good Scholar of Jain theology. Is associated with the companies of the Dalmia group. Has made elaborate studies of Economics, Finance and Statistics. Interested in social welfare. *Ad.* Dalmianagar (Bihar). JAIPRAKASH NARAIN, organized the Congress Socialist Party ; belongs to Saran, Bihar. Had been to the United States, 1922-30, studying at five universities. Put in charge of the Labour Department of the Indian National Congress, 1931. Has suffered imprisonment, made good his escape from jail.

JAIPUR, Ruler of, (See p. 210)

JAIPURIA, SETH MUNGTURAM, M. L. C., Bengal, Mill-Owner, Merchant, Financier, and Zamindar : *b.* 1900, *s.* of late Seth Anandram Jaipuria of Nawalgarh (Jaipur) ; Director and Managing Director of fourteen Industrial concerns ; owns cotton mills, sugar mills, Silk weaving Factory, China clay mines ; oil Mills, Dal Mills, Rice Mills ; President, Marwari Relief Society ; Director, Calcutta Circle, Bharat Bank Limited ; Indian Sugar Syndicate Ltd. ; Member, Committee of the Indian Chamber of Commerce, Calcutta ; Indian Sugar Mills Asso-

- ciation. Is responsible for the founding and maintenance of a large number of educational Institutions in various parts of the country and a Free Eye Hospital at Nawalgarh, in memory of his father. Interested in social reforms. *Ad.* "Jaipuria House", 51, Vivekananda Road, Calcutta.
- JALAN, ISWAR DAS, M. A., B. L.,** Attorney-at-Law, M. L. A., Vice-President, All-India Marwari Federation and Solicitor-Partner, Khaitan & Co. Calcutta, *b.* 1895; *ed.* Muzaffarpur and Calcutta, was member Calcutta Corporation (1927-80), Member Bengal Legislative Assembly since 1988. *Ad.* 47, Zakariah Street, Calcutta.
- JAMES, SIR FREDERICK ERNEST,** Kt., M. A., O. B. E., Contoller of Coffee; India. *b.* 1891. War Service 1914-20. Genl. Secy., Y.M.C.A. Calcutta 1920; Member, Bengal Legislative Council 1924-29; Pol. Secy., U.P.A.S.I. 1929-32; Member, Madras Legislative Council, Madras Corporation, Senate of Madras Univ., Madras Retrenchment Comte. 1931, Madras Franchise Comte. and P. W. D. Reorganisation Comte. 1932; M. L. A. (Central) from 1932. Whip of European Group 1932-7; Chief Witness for European Assocn. before Joint Parliamentary Select Comte. 1938; Member, Standing Emigration and Ry. Finance Comtes. Founder of Indian Institute of International Affairs; 1st Governor of Rotary Clubs in India, Burma & Ceylon. *Ad.* New Delhi.
- JAMMU AND KASHMIR,** Ruler of, (See p. 210)
- JAN, ALHADJ SHAIKH MOHAMAD, KHAN BAHADUR, J. P., M. L. C.,** landlord and merchant; *b.* Jan. 1895; *s.* of Haji Ahmaddin Saheb; *ed.* Calcutta; started charitable institutions, a Muslim high school and a Homeopathic Hospital, both in Calcutta; an ardent supporter of Hindu-Muslim unity; was Chairman, Reception Committee, All-Parties Azad Muslim Conference held at Delhi in 1941. *Ad.* 80, Colootola St., Calcutta.
- JASANI, CHATURBHUI VITHALDAS, M. L. A. (C. P.), b. 1900. Was Vice-Chairman, Gondia Local Board, President, Gondia Municipality, of C. P. Marathi Harijan Sevak Sangha and of Bhandara Dt. Harijan Sevak Sangha. Is member, A.-I. C. C., Chairman, Bhandara Dist. Council; Vice-President, Nagpur Provincial Congress Committee. Took leading part in civil disobedience movement 1930 as 1st Dictator of Bhandara Dt. War Council, jailed four times. In 1940 went to jail as 1st Satyagrahi of Bhandara Dt. *Ad.* Gondia, B.-N. Ry., (C. P.).**
- JAYAKAR, RT. HON. MUKUND RAM RAO, P. C., M. A., D. C. L., LL. D.,** Bar-at-Law, *ed.* Bombay and London; joined Bombay High Court. Was Member, Bombay Legislative Council and led Swaraj Party. Left Congress later. Was M. L. A., led Nationalist Party. Delegate to R. T. C. Appointed Judge, Federal Court of India (1937). Was member of Judicial Committee, Privy Council, London.
- JAYATILAKA, SIR D. BARON, Kt., M. A. (Oxon),** Barrister-at-Law, Special Representative of the Government of Ceylon in India; *b.* February 13, 1868; *s.* of Late D. D. Jayatilaka; *m.* (1898) Mallika Batuvantudawe, (died 1929); *ed.* Wesley College, Colombo, & Vidyalankara. Oriental College, Kelaniya. Was Principal, Dharmaraja College (1890-95), Ananda College (1900-10); Elected Member, Legislative Council (1924-31); Minister for Home Affairs and Leader of State Council (1931-42); President of Y. M. B. A., Colombo (since 1898), *Pub.* Life of Sarankara Sangha-raja; Editor-in-chief of Sinhalese-English Dictionary; edited several Sinh. classical works. Permanent *ad.* Citra-

- lata, Dehiwala, Ceylon ; present *ad.* Swiss Hotel, Delhi.
- JEHANGIR, SIR COWASJEE, Bart.,** K. C. I. E., M. L. A., (Central) *b.* 1879. *ed.* : Bombay and Cambridge ; Was member, Bombay Corporation, 1904-21 and President 1919 to 20. Member, Bombay Legislative Council ; Member Executive Council 1923-28, Bombay ; was delegate to R. T. C. twice ; and to Empire Parliamentary Conference. Was elected President, National Liberal Federation of India, 1936. Represented India in England 1935-37. *Ad.* : Readymoney House, Bombay.
- JEHANGIRABAD, RAJA SIR MOHAMMAD EJAZ RASUL KHAN,** K. C. I. E., C. S. I., M. L. A., *b.* 1886, *ed.* : Colvin Taluqdars' College and privately. Is Fellow of Aligarh and Lucknow Universities ; member, Legislative Assembly, U. P. ; Hony. Mag. ; Vice-President, Oudh British Indian Association, later President ; is a philanthropist and has given away large sums in charities. Is connected with several public insts. Is a polo and tennis player of note. *Ad.* : Jehangirabad Palace, Lucknow.
- JHA, AMARNATH, M. A., F. R. S. L., F. R. S. A.,** Vice-Chancellor, Allahabad University ; Vice-President, Poetry Society ; Working President, All-India Hindi Sahitya Sammelan ; President, All-India Educational Confee. ; President, U. P. Lawn Tennis Assocn. and Allahabad Gymkhana ; Professor of English ; is a scholar in Sanskrit, Hindi, Urdu and Bengali. *Ad.* : Allahabad University, Allahabad.
- JHA, RAMLOCHAN, M. A.,** well-known Hindi poet and literature ; *b.* 1907 ; *ed.* : Patna & Benares ; was research scholar in linguistics ; ex-editor, *Upanyas Kusum, Rajasthan and Praja* ; is professor of Hindi and Maithili, Bangabasi College, Cal. ; connected with several literary and public institutions. *Ad.* : Rampur, Bahera, Darbhanga.
- JHAJHARIA, HARI KRISHNA,** merchant and Zemindar ; *b.* 1912 ; *ed.* : Calcutta ; ex-Secretary, Marwari Association, Calcutta ; Hony. Secy, Calcutta Yarn Merchants Association (since 1940) ; Member, Board of Economic Enquiry, Bengal (since 1940) ; is connected with several educational, social and charitable institutions. *Ad.* : Jhajharia House, 174B, Cross St., Calcutta.
- JINNAH, MAHOMED ALI,** Bar-at-Law, *b.* Dec. 25, 1876, *ed.* : Karachi and London. Was for some time Secretary of an Association of which Dadabhoi Naoroji was the President. Was connected with the Indian National Congress but later left it and became prominently associated with the Moslem League, of which he is the president. Was delegate to R.T. Conference. Is member, Indian Legislative Assembly. Practises at Bombay High Court. *Ad.* : Malabar Hill, Bombay.
- JODHPUR (MARWAR),** Ruler of, (See p. 212).
- JONES, SIR TRACY FRENCH GAVIN,** Kt., *b.* 1872. Trained as Mining and Mech. Engineer (U. K.). Was member, Central Legislative Assembly and of U.P. Legislative Council ; delegate R. T. Conference (twice) ; President, Upper India Chamber of Commerce (several years) ; President European Association (U. P.). Knighted 1936. Is prominently connected with business concerns in Cawnpore and elsewhere. *Ad.* : Cawnpore Club, Cawnpore, (U. P.).
- JOSHI, SIR MORPANTH VISWANATH, B.A., LL.B., K.C.I.E.,** *b.* 1861. *ed.* : in Deccan College, Poona, Elphinstone College and also Law College, *m.* at Satara the daughter of Mr. G. R. Abhayankar ; has 2 sons and 4 daughters. Practised as Lawyer in Berar Judicial Commissioner's Court and in Nagpur High Court from 1884 to 1920. From 1920 to 1925 was Home Member to C. P.

- Govt., later practised law till 1937 when he retired from the profession. Knighted in 1928, K. C. I. E. in 1926 and LL. D. of Nagpur University in 1940; takes interest in politics, being a liberal, and in all progressive public affairs. *Ad.* Amraoti, C. P.
- JOSHI, NARAYAN MALHAR, B. A., M. L. A., J. P., b. 1879. *ed*: Poona. Joined Gokhale's Servants of India Society, 1909 but resigned in 1940. Secy., Bombay Social Service League; some time Secy. of Presidency Social Reform Assoc. and of West India National Liberal Assoc.; some time member of Bombay Municipal Corporation; nominated member of the Legislative Assembly in interests of labour 1920-48. Delegate to R. T. Conference, thrice. Was elected member of the Governing body of I. L. O., Geneva twice. Is a Kaiser-i-Hind medalist. Was awarded C. I. E. in 1921 but declined. *Ad.* Servants of India Society, Sandhurst Road, Bombay 4.
- JOSHI, P. C., M. A., LL. B., General Secretary, Central Committee, Communist Party of India. b. 14th April, 1907. s. of H. N. Joshi. *ed*: Allahabad University. Joined the Communist Movement while at College. Arrested in the Meerut Conspiracy Case, March 1929 and convicted for 5 years. On coming out worked as Party Organiser for the United Provinces. Convicted for 2 years in 1934 for preaching sedition and class hatred during a strike. Became Secretary of the Party on coming out and ran its under-ground centre. His Party won practical and not formal legality with the coming of Congress Ministries. Edited its Weekly organ "The National Front" from February 1938. Went under-ground with the outbreak of the War. Came out in June 1942 after the withdrawal of the warrant and started the Party Organ, "People's War" in 5 languages. *Pub.* *Forward to Freedom*. *Ad.* Centl. Headquarters, Communist Party of India, Raj Bhawan, Sandhurst Road, Bombay 4.
- JUNAGADH, Ruler of, (see p. 212).
- JUNG BAHADUR RANA, Col. Shree Govinda Shum Shere, b. 1907, s. of the late General Pratap Shum Shere Jung Bahadur Rana, and grand s. of the late Maharaja Sir Bir Shum Shere Jung Bahadur Rana, Prime Minister, Nepal. *ed*: privately at St. Joseph's College, Calcutta, underwent military training and was Governor of Palpa, W. Nepal for some time. Was awarded medal by Nepal Government for meritorious services in connection with earthquake relief work. Is a prominent sportsman and patron of the Turf. Made a princely donation for the construction of Brabourne Park, Darjeeling and for erection therein of the statue of his father. Took keen interest in relieving Gorkha Civilian evacuees from Far East in 1942. *Ad.* Phora Durbar, Nepal; Rockwood Estate, Darjeeling; and 4A, Little Russell Street, Calcutta.
- JWALA PRASAD, M. A., Ph.D., b. 1890, *ed*: Agra and Cambridge. Was Prof. St. John's College, Agra. Is Head of Philosophy Dept., Nagpur University. Has received several medals from Govt. Has written on logic, philosophy, history, etc. *Ad.* King Edward College, Amraoti (Berar)
- KAJI, DEWAN BAHADUR HIRALAL LALLBHAI, M. A., B. Sc., Advocate, F. R. G. S., F. S. S., F. E. S. A., I. E. S. (Retd.), J. P., Kaiser-i-Hind Medalist. II Class (1930), founder and Chairman, Vasant Insurance Co. Ltd, and formerly Principal and Professor of Economics Gujarat College, Ahmedabad; formerly Professor of Geography and Statistics, Sydenham College of Commerce and Economics, Bombay. b. April 10, 1886, m. Miss Vasantgavri B. Seth of Surat. Fellow, Bombay University. Chairman, Academic Council Indian Women's University, member Board of Studies in Commerce, Andhra

- University ; Vice-President, All-India Co-operative Institutes Association, Founder and Chairman, Bombay Co-operative Insurance Society (1980-85). *Pub. Outline Atlas of Indian Empire* (1928) ; *Co-operation in Bombay* (1930) ; *Co-operation in India* (1982) , *Great Mystery of Life Beyond Death* (1988) , *Land Beyond the Border* (1989). *Ad.* Ridge Road, Malabar Hill, Bombay.
- KALAT**, Ruler of, (See p. 212).
- KALÉ, YAMAN GOVINDA**, B. A., b. 1876, *ed* : Poona. Has served as Prof. of History and Economics, Fergusson College and is a well-known speaker. Was member, Council of State, Indian Tariff Board, and Fellow, Bombay Univ. Has written on industrial and economic problems, currency, public administration, constitutional reforms, etc. edits *Artha*, a Marathi weekly. *Ad.* "Durgadhivasa", Poona No. 4.
- KAMBLI, SIDDAPPA TOTAPPA**, B. A., LL. B., b. 1882 : *ed* : Deccan College. Practised in Dharwar, 1906-86 ; was President, Dharwar Dist. Board and of Hubli Municipal Borough. Deputy President, Bombay Legislative Council, 1927-30 ; President, First Karnatak Unification Conference, 1927 ; President, All-India Veerashaiva Conference 1927 ; President, Non-Brahmin League. Was Minister, Bombay Govt. in 1980 and 1987. *Ad.* 18, Queens Garden, Poona.
- KANHAIALAL, RAI BAHADUR**, M. A. LL.D., b. 1866, *ed* : Allahabad ; Joined Government Service in 1891. Was a Munsiff, Sub-Judge, Asst. Sessn. Judge, Dist. and Sessn. Judge ; Addl. Judicial Commissioner Oudh ; and Judicial Commissioner 1922 ; Judge Allahabad High Court retd. 1926. Vice-President, Age of Consent Committee. Was member, Hindu Religious Endowment Committee and Board of Hindu Medicine (1926-88). Member, Council and Court, Benares Hindu Univ.
- Hon. Treasurer & member Council and Court, Allahabad University. *Ad.* 9, Elgin Road, Allahabad.
- KANIKA, SIR RAJENDRA NARAYAN BHANJA DEO**, Raja Bahadur of, O. B. E., b. 1881, *ed* : Cuttack. Was member, Legislative Assembly and of Bihar and Orissa Legislative Council several times. Co-opted member Simon Commission (1928). Fellow of Patna Univ. Appointed member, Executive Council, Bihar-Orissa Govt. (1929) ; Vice-President (1931-84). Title of Raja made hereditary in 1919. *Ad.* Rajkanika, Cuttack.
- KANTIKAR, KESHAVA RAM CHANDRA**, M. A., B. Sc., b. 1876. *ed* : Poona. Worked as Prof. of Physics, D. E. Society's Institution 1908 to 1932, was Fellow, Bombay Univ. for over 25 years, served as member, Poona Municipality (7 years), was Principal, Fergusson College, Poona (1926-29) ; received King's Commission (1928) ; is life member, Modern Education Society ; elected Dean, Fac. of Sc., Bom. Univ., (1938-84) ; Dean, Fac. of Technology, (1988-99). Is Prof. of Science, N. W. College, Poona. *Ad.* 12, Ganesh Wasi Poona 4.
- KAPUR, SRI KISHAN, M. A., B. Sc.** Stood First M. A. (Mathematics) Punjab, was Professor of Mathematics, Prince of Wales College, Jammu. Lecturer in Mathematics, Government College Lahore, Principal Government Intermediate College, and Gujarat Government Intermediate College, Dharmasala ; Principal, Government College, Lyallpur, since September, 1986. *Pub. Plane Trigonometry for Intermediate Students ; Co-ordinate Geometry for Intermediate Students.* *Ad.* Lyallpur, Punjab.
- KAPURTHALA**, Ruler of. (See p. 218).
- KARANJIA, BEHRAM NAOROSJI**, M. L. C., J. P., K-i-H. and other medalist. Is a prominent businessman of Bombay. Is director of many business concerns. Is an Hon.

Presy. Mag. ; a Municipal Councillor, Trustee, Bombay Port Trust ; Vice-President, St. John's Ambulance Assoc. ; was Secy., War Loan and Food Control Committee, 1914-19 ; President, Indian Merchants Chamber, 1982 ; and member, Board of Film Censors, Bombay. A great public worker and industrialist. *Ad.* 'Shengre La'. 4 Carmichael Rd., Bombay 26.

KARVE, DATTATRAYA GOPAL, M.A. (Bombay) ; Principal and Professor of Economics, Commerce College, Poona ; University Teacher, Bombay. *b.* 1898 : *ed.* : Poona, was Professor of Economics, Fergusson College, Poona for 15 years : and principal and professor of Willingdon College, Sangli for 5 years. Local Secretary, Indian Statistical Institute ; Member, Indian Economic Association ; Chairman, Sangli Franchise Committee, Economic Inquiry Committee, and Secretary, Deccan Education Society. *Pub.* Two Marathi books on Principles of Economics and Indian Economic Problems (1927, 1929) ; *Federations, a Study in Comparative Politics* (1933) ; *Poverty and Population in India*, 1987 ; *Unemployment Assurance in India*, 1938 etc. ; edited *Historical and Economic Studies*, 1941, Ranade, Prophet of liberated India, 1942. *Ad.* Poona. 4.

KASHMIR & JAMMU, Ruler of, (See p. 218).

KATJU, KAILAS NATH, M.A., M.L., LL. D., b. 1887 ; *ed.* : Allahabad and Lahore. Practised law at Cawnpore, 1908-14 : enrolled Advocate, Allahabad High Court, 1921 : was Chairman, Allahabad Municipal Board : edited *Allahabad Law Journal*, 1918-87. Was in the U. P. Congress Committee for many years. Appointed Minister, U. P. Govt. 1937. Member A.-I. C. C., 1940. Has written on law. *Ad.* 19, Edmonstone Road, Allahabad.

KATRAK, SOHRAM K. H., F.R.G.S.,

J. P., Hon. Magistrate and Justice of Peace ; b. Nov., 1891 ; *s.* of Sir Kwasji H. Katrak, O. B. E., J. P., *ed.* : Pittman's College, London. Is President, Health Culture Institute, Max Denso Hall General & Clerical Library ; Secretary, Young Men's Zoroastrian Association, and Karachi Parsi Housing Co-operative Society, etc. was Mayor of Karachi (1942-48). *Pub.* : *Through Amanullah's Afghanistan*. *Ad.* 245, Staff Lines, Karachi.

KAY, SIR JOSEPH ASPDEN, J. P., b. 1884 ; *ed.* : U. K. Is a big business magnate of Bombay. Chairman of several concerns. Was Chairman, Bombay Millowners' Association (thrice) ; delegate to International Labour Conference, 1928. President, Bombay Chamber of Commerce, 1925, Vice-President, Indian Central Cotton Committee (twice). *Ad.* Wilderness Cottage, Nepean Sea Road, Bombay.

KAPURTHALA, Ruler of, See p. 218.

KAZI, SYED HIFAZAT, LL. B., Khan Bahadur, *b.* 1892 ; *ed.* : Aligarh and Allahabad. Was member, C. P. and Berar Legislative Assembly and C. P. Legislative Council. Served as Minister for Local Self-Govt. C. P. Was Chairman, Municipal Committee, Khandwa. *Ad.* Advocate, Khandwa.

KEDAR, T. J., Lt.-Col., B. A., LL. B., D. Litt., M.L.A., Vice-Chancellor, Nagpur University. After brilliant academic career took to practising law. Member, Old C. P. Legislative Council and Minister, 1928-29. Leader of the Opposition in the C. P. Legislature, 1934-37. Conferred D. Litt. degree by Nagpur Univ. in 1942. *Ad.* Civil Lines, Nagpur.

KELKAR, NARSINHA CHINTAMAN, B. A., LL. B., b. 1872, *ed.* : Poona. Practised as pleader. Then took to journalism. Edited *Marhatta*, 1897-1919, *Kesari*, 1897-99 and 1910-81. Was Municipal Councillor, 1898-1924 ; President, Poona Municipality, 1918 and 1922-34. Delegate of Home

Rule League deputation to U. K. in 1929, was M. L. A., Bombay. *Pub. A Passing Phase of Politics, Landmarks of Lokmanya's Life* and several other books on politics and history, in English and Marathi. Is also a dramatist. *Ad.* Tilak Road, Sadashiv Peth, Poona.

KHAIRPUR, Ruler of (See p. 219).

KHAITAN, D. P., M. L. A. (Bengal), b. Aug. 14, 1888, General Manager of Birla Brothers, Ltd.; Fellow, Calcutta University. Is connected with numerous public bodies—social, commercial, in Calcutta and elsewhere in India, a director of several cotton and sugar mills, etc. Commissioner of the Calcutta Corporation 1921-24, M. L. C. Bengal, 1922-26. President Indian Chamber of Commerce, 1928 and 1930. Member: Indian Delegation to the International Labour Conference in Geneva, 1928; Central Banking Commission in India, 1929-32; The Jute Enquiry Committee, 1938; Bengal Board of Economic Enquiry, 1934. Commissioner of Calcutta Port Trust, 1934-36, Represented Indian Industries at the Indo-Japanese Trade Agreement and Indo-Lancashire Agreement. Member of the Board of Industries, Bengal, since 1922. *Ad.* 8, Royal Exchange Place, Calcutta.

KHAN, ABDUL GHAFAR KHAN, better known as the "Frontier Gandhi", a noted Congress leader and organizer of the Khudai Khidmatgars, b. 1891. Refused commission in the Indian Army 1908. Is a steadfast follower of Mr. Gandhi since non-co-operation days. State prisoner, 1932-34, suffered imprisonment and externment. Resigned membership of Congress Working Committee, Feb. 1942, due to his strong views on non-violence.

KHAN, SIR SHAFAAT AHMED, B.A., D. Litt., b. 1898, *ed.*: Moradabad and England. Was member, U. P. Legislative Council 1924-30 and leader of his party. Was delegate to the

three R. T. Confses. 1930-32 and to the Joint Select Committee 1938; Hony. Secy. R. T. Conf., London 1930-31. Offg. Member, Federal Public Service Commission, 1940. Has been President of numerous Committees and confes. and is author of numerous works on politics and history. Is Agent-General, Govt. of India, in South Africa.

KHANNA, RAI BAHADUR MEHR CHAND, C. I. E., M. L. A., ex-Finance Minister, Frontier Government, b. 1st June 1897. *ed.*: Edwards College, Peshawar. In 1932 elected to the Frontier Legislative Council. In 1938 went to London and gave evidence before the Joint Parliamentary Committee on behalf of the Frontier minorities. Has been a member of the Frontier Regulations Enquiry Committee, the Frontier Corruption Enquiry Committee, and of the Provincial Franchise Committee. Also a co-opted member of the Lothian and Hammond Committees. Was connected with the Peshawar Municipal Committee and Cantonment Board for nearly 15 years. Was also an Hony. Magistrate. In 1937, elected to the Frontier Legislative Assembly. A member of the District War Committee, the Red Cross Executive Committee, and leader of the Hindu-Sikh Nationalist Party in the Frontier Legislative Assembly. Also a member of the Working Commte. of the A. I. Hindu League. *Ad.* 28, Saddar Rd., Peshawar.

KHARE, THE HON. DR. NARAYAN BHASKAR, B. A., M. D., b. 1894, Joined Medical Service, C. P. 1906, left 1916. Was M. L. C., C. P., 1928-29. Took part in C. D. Movement and was jailed (1933). Was member, Legislative Assembly (Central), 1935-37. Was premier of C. P. and Berar, 1937-38. Had to resign on account of differences with the Congress High Command. Appointed member (Overseas) Viceroy's Ex.-Council in May, 1943. *Ad.* New Delhi.

KHEMKA, MADANLAL, President, Marwari Chamber of Commerce, Calcutta; *b.* Dec. 4, 1908; *s.* of Jamunadas Khemka; *ed.*: Calcutta. Is a solicitor, High Court, Calcutta and partner of Khaitan & Co., solicitors. Member, Prov. War Supply Advisory Committee, Local Advisory Committee of E. I. Railway (since 1942), B. N. Ry. (1940-41 and 1942), Vice-President, Marwari Chamber of Commerce (since 1940), Solicitors' Employees' Association (since 1941); Hony. Secretary, All India Marwari Federation Education Department (1938-39); Committee Member of several important institutions of Calcutta. Also connected with various limited concerns as a Director. *Ad.* 63, College Street, Calcutta.

KHER, BAL GANGADHAR, B. A., LL. B., *b.* 1888; *ed.*: Bombay. Joined Bombay High Court as Solicitor, 1918. Is partner, Messrs. Manilal Kher, Ambalal & Co., Solicitors, Bombay. Was Secretary, Bardoli Satyagraha Enquiry Committee and of Swaraj Party. Member, A.-I. C. C. Had been in prison several times and was fined in connection with the Congress movement. Founded Bombay Legal Aid Society. Led Bombay Congress Party in the Bombay Assembly. Was Prime Minister, Bombay, 1937-39. *Ad.* Char Bungalow, 14th Road, Khar, Bombay.

KHOSLA, A. N., B. A., M. R. A. S., *b.* 16th Feb. 1904; son of L. Nandlal Khosla, *m.* Balvant Kaur. Graduated from the Prince of Wales College, Jammu in 1923. Joined Indian Audit and Accounts Department, 1926. Became popular as a writer of publications for Competitive Examinations in 1939. *Pub. Fundamental Rules, Civil Service Regulations Explained, Government Servants' Rules, Drafting and Official Correspondence, General Intelligence Tests, Text-book of General Knowledge.*

International Affairs, etc. *Ad.* Post Box 239, Lahore.

KHOSLA, KANSHI RAM, journalist and proprietor, Imperial publishing Co., Lahore; *b.* 1882, was connected with several banks; was editor of *Daily Herald*, 1932-34; member, Executive Body of the Indian Chamber of Commerce. *Ad.* Post Box 250, Lahore.

KHUNDKAR, NURAL AZEEM, B.A., LL. B., Bar-at-Law, *b.* 1890; *ed.*: Calcutta, Cambridge and London. Was lecturer, Mercantile Law, Calcutta University. Presidency Magistrate, Calcutta, 1920. Judge, S. C. Court, 1923. Deputy Legal Remembrancer, Calcutta High Court, 1924. Is now Judge, High Court. *Ad.* Calcutta Club, Calcutta.

KRIPALINI, HIRANAND KHUSHIRAM, B. A. (Oxon.), M. A., (Bom.), C. I. E., I. C. S., *b.* 1888, *ed.*: Sind and Oxford, Joined I. C. S. 1912. Collector and Dist. Magistrate, Kaira, 1923-24; Deputy Secretary, Government, 1924-26. Political Agent, Rewakantha, 1930-31; Municipal Commissioner, Bombay 1931-34; Chief Secy. Sind Govt., 1936-38. Is Chairman, Bombay Port Trust. *Ad.* 'North End', Carmichael Road, Bombay.

KNIGHT, HENRY FOLEY, B. A., C. S. I., C. I. E., I. C. S., *b.* 1886; *ed.*: Cambridge. Started life as Asst. Collector. Bombay. Was in the I. A. R. O., R. A. F. and R. F. C. War Deputy Secretary, Finance Department, Bombay. Director of Commercial Intelligence; Commissioner of Excise, Bombay. Is now Adviser to the Governor of Bombay. *Ad.* Secretariat, Bombay.

KOLHAPUR, Ruler of, (See p. 214).

KOTAH, Ruler of, H. H. MAHARAJADHIRAJ MAHARAJ MAHIMENDRA MAHARAO RAJA SRI COL. SIR UMED SINGHJI SAHIB BAHADUR, G. B. E., G. C. I. E., G. C. S. I., LL. D., *b.* 1873, *ed.*: Ajmer. Succeeded to gaddi, 1889. Is

a Chauhan Rajput of Harr clan. The State was founded in 1625 and has maintained steady progress since. It has many schools, dispensaries, co-operative societies, and a first class judiciary. The Maharaja carries on the administration with two Ministers. The State has a railway line and good roads have been built.

KRISHNA AYYAR, DEWAN BAHADUR R. V., B.A., M. L., b. July 1884, *ed*: Madras, stood first in all examinations from Matriculation to M. L.; High Court Vakil 1907-10. practised at Salem; Dist. Munsiff, 1910-21, Asst. Secy., Law Dept., 1921-23; Secretary, Madras Legislative Council, 1924-37; official member, Indian Legislative Assembly 1935-36; Secretary to the Madras Legislature since 1937; made a C.I.E. in June 1941, Member Madras University Senate 1924-26; Syndic, Annamalai University, 1929-35. *Ad*. "Sri Vidya", Mylapore, Madras.

KRISHNAMACHARIAR, RAJA BAHADUR, B. A., B. L., Dewan Bahadur, Advocate, Madras, landholder. The Raja is the recognized leader of orthodox Hindus in Southern India. He started as a Vakil, 1890; was nominated member, Hyderabad Legislative Council; Advocate-General, Madras High Court; Secy., Legis. Dept., Madras Govt. Has reorganized Nizam's Courts and rendered services to the Nizam's Govt. Was M. L. A. for a time. Is keenly interested in agriculture and mining enterprises in S. India. *Ad*. "White House", Saifabad, Hyderabad (Deccan).

KRISHNAMACHARI, SIR VANGAL THIRUVENKATACHARI, Rao Bahadur, Kt., B.A., B.L., K.C.I.E., b. 1881; *ed*: Madras, Joined Madras Civil Service. Was Secretary, Government of Madras. Became Dewan of Baroda, 1927, Was delegate to three R. T. Conferences, and Assembly, League of Nations, 1934-35. Adviser

to India Delegation, and to Imperial Conference, 1937. Is now Dewan of Baroda State. *Ad*. Dilaram, Baroda.

KRISHNAN, KARIAMANIKKAM SRINIVASA, D. Sc., F. R. S., celebrated scientist, Professor of Physics, University of Allahabad since 1942. Was formerly a collaborator in the researches of Sir C. V. Raman. Reader in Physics, Dacca University 1928-33. Mahendralal Sircar Professor of Physics, Indian Association for the Cultivation of Science, Calcutta, 1933-42. Has carried out valuable researches on light scattering magnetism, crystal physics and chemistry. Invited in 1936 to the international Conference on Photo-Luminescence held at Warsaw, and in 1939 to the Conference on Magnetism arranged by the International Institute for Intellectual Co-operation. Presided over the Physics Section of the Indian Science Congress, Madras, 1940. Vice-president, Indian Academy of Sciences, and National Institute of Sciences of India. Secretary, National Academy of Sciences, India. Elected Fellow of the Royal Society 1940. *Ad*. The University, Allahabad.

KRISHNASWAMI AIYAR, SIR ALLADI, Kt., K-i-H. medal, Dewan Bahadur, b. 1868; *ed*: Madras. Well-known in Presidency for his Charities and donations to the three South Indian Universities. Is Fellow, Madras University. Is Advocate-General, Madras. Interested in social and religious matters. *Ad*. Ekamra Nivas, Luz Church Road, Mylapore, Madras.

KUMARAPPA, JAGADISAN MOHANDAS, M. A., (Harvard), S. T. B. (Boston), M. A., Ph. D. (Columbia), Director & Professor of Social Economy in the Sir Dorabji Tata Graduate School of Social Work; b. April 16, 1886. *m*. Ratnam Appasamy, M. A.; *ed*: Madras, Harvard, Boston and Columbia Universities. Appointed

- Professor of Philosophy, Lucknow Christian College, 1915; Reader in Philosophy, Lucknow University, 1921. Delegate to the General Conference of the M. E. Church, Springfield, Mass., U. S. A., 1924. Delegate to the 19th World Conference of the Y. M. C. A., Helsingfors, Finland, 1926. Member of the Institute of International Politics, League of Nations, Geneva, 1926. Travelled extensively in Europe and America, studying progressive education. Invited to lecture at Cornell, Syracuse, Columbia and other American Universities. Appointed Professor of Philosophy and Sociology, Mysore University 1931; was invited to the Chair of Social Economy, Tata Graduate School of Social Work, 1936 and appointed Director of the School in 1942. Has contributed numerous articles to journals on philosophy, education and social work. *Ad.* Tata Graduate School of Social Work, Byculla, Bombay.
- KOTWARA, RAJA OF, SAJID HUSAIN, M. A. (Edin.), M. L. A., H. A. R. O., b. 1910; m. 1937, Princess Selma of Turkey (d. 1942), d/o Nawab Md. Hasan Khan. A world traveller, the Raja Saheb is Cosmopolitan in his outlook. *Ad.* Kotwara-Raj, U. P.
- LALLEMAND, ALBERT J., S. J., (Rev.), b. Fosses (Belgium) March 5, 1890; *ed.*: Louvain and London; lecturer in St. Xavier's College, Calcutta in 1914-20 and 1926-30; mission director and social worker in Gangpur State, 1930-36; editor of *The New Review* from 1936. *Ad.* 5, Dhurmatola Street, Cal.
- LAW, BIMALA CHURAN, M. A., B.L., F. R. G. S., F. R. A. S. B., *ed.*: Calcutta. Is connected with many learned societies in England and India. Edits *Bengal Past and Present*. Is Vice-President, Indian School of Oriental Art, and the Indian Research Institute. Has donated large sums to hospitals, etc. Founded Dr. B. C. Law Trust Series in Royal Asiatic Society (U.K.) for original research. Is a big landholder in Bengal. Has written several valuable books on Indian culture and history. *Ad.* 43, Kailas Bose Street, Calcutta.
- LEWIS, H. E. Sir WILLIAM HAWTHORNE, K. C. S. I., K. C. I. E., I.C. S., Governor of Orissa since April 1, 1941, b. 1888, *ed.*: Cambridge. Was Reforms Commissioner, Government of India. *Ad.* Governor's Camp, Orissa.
- LINLITHGOW, THE MARCHIONESS OF, m. H. E. the Marquess of Linlithgow, 1911, rendered considerable service to soldiers during last Great War. Is particularly interested in tuberculosis work. Large funds have been raised by her in India to combat this disease. Takes interest in charitable works. *Ad.* Viceroy's House, New Delhi; Viceregal Lodge, Simla.
- LINLITHGOW, H. E. THE MARQUESS OF, THE MOST HON. VICTOR ALEXANDER JOHN HOPE, K. T., G. M. S. I., G. M. I. E., O. B. E., D. L., T. D., Viceroy and Governor-General of India since April 1936, b. Sept. 24, 1887, eldest son of the 1st. Marquess. *ed.*: Eton; m. Doreen Maud d. of Rt. Hon. Sir F. Milner; twin sons, three daughters; served in the Great War 1914-18 (despatches); Civil Lord of the Admiralty 1922-24; Dep. Chairman, Unionist Party Organization 1924-26; President, Navy League, 1924-31; Chairman, Departmental Committee on Distribution and Prices of Agricultural Produce, 1923; Chairman, Royal Commission on Indian Agriculture, 1926-28; Chairman, Joint Select Committee on Indian Constitutional Reform, 1933; Chairman of the Market Supply Committee since 1933; takes keen interest in Indian agriculture. *Ad.* The Viceroy's House, New Delhi; Viceregal Lodge, Simla.

- LLOYD, SIR ALAN HUBERT, Kt., B. A., C. S. I., C. I. E., b. 1888. *ed*: Cambridge. Joined I. C. S., Burma, 1907. Was member, Central Board of Revenue, 1928-38, and Commerce Secretary, Govt. of India from 1939. Retired Nov. 1942. Apptd. Examiner of Capital Issue, June, 1948. *Ad*. 5, Cavalry Lines, Delhi.
- LOHIA, RAMMANOHAR, Ph. D. (Berlin), prominent Congress socialist. b. 1910. Ex-Founder-editor, 'Congress Socialist' and Ex-Secy., All-India Congress Socialist Party; was Secretary, Foreign Dept., All-India Congress Comte. Served 2 years' R. I. for anti-war activities. *Pub*. *Congress and War*; *India in Figures*; *Constituent Assembly*; and other Congress Comte. publications. *Ad*. Nomad.
- LONDHEY, DAMODAR GANESH, M. A. (Bombay), Ph. D. (Leipzig). Principal and Professor of Philosophy, The National College, Nagpur; b. 1897 (Poona). *ed*: Poona, Munich, Deutsche Akademie Scholar at Jena, Alexander von Humboldt Stiftung Scholar at Leipzig. Professor of Philosophy and English at the Rajaram College, Kolhapur (1922-26); Doctor of Philosophy, Leipzig University (1938); Principal of the Wasudeo Arts College since 1935. Member of the Academic Council and the Court of the Nagpur University. *Pub*. *Das Absolute*; *Ein Entwurf zu Einer Metaphysik des Selbst* (The Absolute; An Outline of a Metaphysics of Self); Articles on *Psychology* and *Samkhya* in the *Maharashtriya Encyclopædia*; Papers contributed to the Indian Philosophical Congress; Articles and Monographs in Philosophical Journals.
- LOW, SIR FRANCIS, Kt., J. P., Editor, *The Times of India*, b. 19 Nov. 1898, m. Margaret Helen Adams, *ed*: Robert Gordon's College, Aberdeen. Joined staff, *Aberdeen Free Press*, 1911. Served in War with Meso-
- potamian Expeditionary Force. Special Service Officer, Intelligence, G. H. Q., 1919. Gazetted out with the rank of Captain, 1920. Chief Reporter, *Aberdeen Free Press*, 1920. Sub-Editor, *The Times of India*, 1922, Asst. Editor, 1927-28. *Ad*. Lyndewode House, Bomanji Petit Road, Bombay.
- MACKINTOSH, A. B., M. A. Dip. Ed., J. P., Principal, Maharaja's College, Mysore, *ed*: St. Andrews and Oxford Universities. *Ad*. Professors' Quarters, Mysore.
- MACKLIN, ALBERT SORTAIN ROMER, B. A., I. C. S., b. 1890. *ed*: Westminster and Christ Church, Oxford. Judge, High Court, Bombay, since 1935. *Ad*. High Court, Bombay.
- MADAN, SIR JANARDAN ATMARAM Kt., C. I. E., C. S. I., B. A., I. C. S., (ret'd.) b. 1885, *ed*. Bombay, Oxford and Cambridge. Joined I. C. S. 1909. Started as Asst. Collector, Bombay. Became Collector and Registrar, Co-operative Societies, 1920; Collector and Dist. Magistrate, Bombay Presidency; was Director of Labour Intelligence, Commissioner Southern Div., Bombay Presidency. Was advisor to the Governor of Bombay. Is Chairman Bom-Sind Public Service Commission. *Ad*. Altermont Road, Bombay.
- MADGAVKAR, SIR GOVIN DINANATH Kt., B. A., I. C. S., b. 1871, *ed*: Bombay and Oxford. Joined I. C. S. 1892. Was in Burma 8 years; became Addl. Judl. Commr. 1920. Judge High Court, 1925-31. President, Bombay Revenue Tribunal. Was Judge, Supreme Court, Kolhapur. *Ad*. 118, Koregaon Park, Poona.
- MADRAS, BISHOP OF, RT. REV. EDWARD HARRY MANISFIELD WALLER, M. A., D. D., b. 1871, *ed*: Cambridge. Bishop of Tinnevely, 1915-22; Bishop of Madras since 1928. *Ad*. The Diocesan Office, Cathedral Post, Madras.
- MAHAJANI, GANESH SAKHARAM, M. A., Ph. D., M. L. C., b. 1898, *ed*:

Poona & Cambridge. Fellow, Indian Academy of Sciences and of National Institute of Sciences. Was Dean, Faculty of Science, Bombay University. Is Principal, Fergusson College, Poona. *Ad.* Fergusson College, Poona 4.

MAHMUD, DR. SAIYID, Ph.D., Bar-at-Law, former Minister in charge of Education and Development in the Congress Cabinet of Bihar, 1937-39, *b.* 1889. Was Secretary of the Central Khilafat Committee; General Secretary, All-India Congress Committee; at present Member, Working Committee. Sponsored the literacy campaign in Bihar. *Ad.* Chhapra, Bihar.

MAHENDRA SINHI, MAHARAJ KUMAR SHREE, Heir-apparent, Morvi State (Kathiawar), *b.* 1st Jan. 1918, *ed.* : Rajkumar College, Rajkot, Bradfield College, England; travelled Europe. President, State Council from 1940, *Ad.* Morvi (Kathiawar).

MAHMUDABAD, RAJA OF, MUHAMMAD AMIR AHMAD KHAN, *b.* 1914, *ed.* : Lucknow. His ancestor, Qazi Nasrullah Qazi-ul-Quzat, Grand Qazi of Baghdad, came and settled in India when Shahabuddin Ghori was Emperor of India. Is a member of the Executive and Treasurer All-India Moslem League. President, All-India Sportsmen's Brotherhood and Association for Preservation of Game in U. P. Has travelled widely. *Ad.* Mahmudabad House, Lucknow.

MAHOMED, GULAMALI SHER, *b.* 18th Dec. 1888 in Bombay, *ed.* : St. Xavier's College, Bombay; *m.* 1914, Kulsumbai; Member of Committee, Foreign Board of Trade, Kobe, Japan 1918-19; President, Indian Trade Association, Kobe, 1919; Commercial Agent to Czechoslovakian Republic, 1922-25; Consular Agent to Republic of Czechoslovakia in Bombay since 1925; member, Consular Committee on Metals during the War in Kobe. Awarded medal and diploma of Red

Cross Society of Japan : Fellowship Diploma of Institute of Commerce, Birmingham, England 1924; Diploma of Honour by Chamber of Commerce, Prague, Czechoslovakia 1935; Order of White Lion for Civil merits, by the President of the Republic of Czechoslovakia and a Royal Warrant signed by H. M. King Edward VIII sanctioning to accept and wear the same has been granted to him. Insignia of Officer of the order of the Nichan Iftikhar by the President of the French Republic 1939. *Ad.* Mahomed House, Samuel Street, West, Bombay; 68, Marine Drive, Churchgate Reclamation, Bombay.

MAHMOOD, MIR MAQBOOL, B. A., LL. B., B. Litt., Bar-at-Law. Has held high posts in certain Indian States. Is Secretary to the Chancellor of Chamber of Princes; went to Canada as Indian States' delegate to British Commonwealth Relations Conference; was M. L. C., Punjab, 1928-30. Has travelled widely in Europe and America; supports movement for cultural revival in India. Is an M. L. A. (Punjab). *Ad.* The Taj, Civil Lines, Amritsar, Punjab.

MAHON, COL. ALFRED ERNEST, D. S. O., Indian Army (retired); on staff of Urusvati Himalayan Research Institute since 1930, *b.* 1878, *m.* Frances Amelia, *d.* of Rev. R. H. Fleming; *ed.* : privately. Lieut., Royal Irish Fusiliers, 1900; transferred to Indian Army 1909; Second in Command, Royal Scinde Rifles, 1922, Commandant, 1st Bn. Frontier Force Regt. (P. W. O. Sikhs), 1928-27; Served in South African War; operations in the Transvaal, east of Pretoria; operations in the Orange River Colony (Queen's Medal with four clasps); France and Belgium, 1914-15, with 57th Wilde's Rifles, wounded at second battle of Ypres (despatches); Battle of Givenchy, Neuve Chapelle and St. Julien. (1914-15 Star; British War Medal;

- Victory Medal). Mohmand Blockade and Waziristan Expedition, 1917, with 1st Bn. Frontier Force Regt. Attack on Nanu, action near Shrawani Pass; German East Africa, 1917-18 (despatches, D. S. O.); Waziristan Field Force 1919-20. Operations near Mandana Hill; Action near Kotkai, Capture Ahnai Tangi; in command of 109th Infantry; Indian General Service Medal with three clasps; (despatches, Brevet of Lt.-Col.); Razmak Field Force, 1923. Colonel 1924; retired 1928; Jubilee Medal 1935. *Pub.* Numerous articles and short stories in various papers and magazines in England and India under *nom-de-plume* Mea. *Ad.* Manali, Kulu, Punjab.
- MAITRA, BROJENDRA MOHAN, Rai Bahadur, M. A., B. L., M. L. C., b. 1899, ed : Rajshahi; was Vice-Chairman and tempy. Chairman Rajshahi Dt. Board; Vice-President, Rajshahi Association; Associated President, Dharma and Vaishnava Sabhas. Started Rajshahi Deaf and Dumb School. Vice-President, Varendra Research Society. *Ad.* Talanda, Rajshahi.**
- MAJUMDAR, DWIJADAS, Rai Bahadur, M. Sc., Deputy Controller of Stationary, Govt. of India. b. Majhergram (Nadia Dt.) 1890. ed : Krishnagar and Calcutta. Joined B. C. S. (Executive), 1915. As Asstt. Officer-in-charge, Bengal Drawing Office initiated many improvements which both speeded up and improved the quality of multi-coloured police-station maps. Asstt. Controller, Stamps & Stationary, 1924. Manager, Central Publication Branch, Calcutta; Manager, Forms Press, Calcutta; Deputy Controller of Printing, New Delhi. Placed on special duty as Provisioning and Planning Officer, between Jan. to June 1943. King's Silver Jubilee Medal 1935; Coronation Medal 1937; Rai Bahadur 1941. Vice-chairman, Bengal Athletic Sports Assn.; Vice-President, Bengal Olympic Assn. *Ad.* P124, Lake View Road, Ballygunge, Calcutta.**
- MAJUMDAR, R. C., M. A., P. R. S., Ph. D., ex-Vice-Chancellor, Dacca University, b. Dec. 1888 at Khanda-darpara, Dist. Faridpur (Bengal) ed : Presidency College, Calcutta, B.A., (Hon.) History 1909, M. A. First class, History 1911; Premchand Roychand Scholarship, Griffith Prize, Doctor of Philosophy; Lecturer in History, Cal. University, 1914-21; Professor of History, Dacca Univ. 1921-36; Dean of the Faculty of Arts Provost, Jagannath Hall; Vice-Chancellor 1937 to 1942. *Pub.* *Corporate Life in Ancient India, Early History of Bengal, Outline of Ancient Indian History and Civilisation and Ancient Indian Colonies in the Far East*, 3 vols. *Ad.* 4, Bepin Pal Road, Kalighat, Calcutta.**
- MAJUMDAR, MRINALKANTI, Asstt. Controller of Printing, Head quarters. New Delhi. b. Nov. 1901; s. of late Mr. Sarbeswar Majumdar of Bengal Civil Service (Judicial). ed : Calcutta. Graduated with Distinction. Entd. Govt. of India Press, Calcutta as apprentice, m. Debrani, d. of Mr. A. N. Sirkar, Secy., Sonapur State (Orissa), Awarded a State scholarship tenable in England for 3 yrs. by Govt. of India, Dept. of Labour. Studied Printing and allied trades at London School of Printing. Got mostly 1st class passes in the City and Guilds and Technical Board Exms. Visited printing and kindred concerns in London, Paris, Berlin, Leipzig, Amsterdam, etc. On return 1931, accepted an administrative post in Printing and Stationery Dept., Govt. of India. For a time officiated as Manager, Govt. of India Forms Press, Calcutta.**
- MALAVIYA, MADAN MOHAN, PANDIT, B. A., LL. B., b. 1861; ed : Allahabad. Started life as teacher; joined Allahabad High Court Bar,**

1892. was a journalist for a time, Member, U. P. Legislative Council, 1902-12; President, Indian National Congress, 1909, 1918 and 1933. Member, Imperial Legislative Council, 1910-19; founded the Benares Hindu University of which he was Vice-Chancellor, 1919-1939 and rector, since 1939. Has served as President, Hindu Mahasabha and Sanatan Dharma Mahasabha. Is a distinguished scholar, politician, and religious leader. *Ad.* Benares Hindu University, Benares.

MALKANI, H. C., Principal, C. and S. College, Shikarpur. *b.* at Hyderabad, 1910, *ed.*: N. H. Academy and Sind; National College, Hyderabad, Sind, B. A. with Honours in Economics 1929. Appointed Fellow; Joined School of Economics and Sociology, University of Bombay. M. A. in History and Economics. Appointed Professor, Ramjas College, Delhi 1932. Since 1933 Professor C. and S. College, Shikarpur. Appointed Principal in April 1941. Published papers on *Some Aspects of Economic life in Sind*, *Population Problem in Sind* and *A Text Book of World History*. *Ad.* Shikarpur, Sind.

MALLIK, SATYENDRA CHANDRA, M.A. (Cal.), B.A. (Math. Tri., Camb.). I. C. S. (retd), *b.* 1874, *ed.*: Calcutta and Cambridge. Joined I. C. S. 1897, served in various capacities in Bengal; became Dist. and Sess. Judge, 1911; High Court Judge 1928, retd, 1934. *Ad.* 2, Alipore Park Avenue, Calcutta.

MAHOMED IMAM, J., B. A., B. L., *b.* 1897 at Jagalur; *s.* of Janab Bade Saheb of Jagalur: *ed.*: Mysore and Madras Universities. First non-official President of the Jagalur Municipal Council, 1938-36. President, District Board, Chitaldroog, 1936-40. Served as member of the Committee on Co-operation, Agricultural Relief Committee, Delimitation Committee and Mysore Reforms Committee, 1939-40. Was President of the Chital-

droog Land Mortgage Co-operative Society and a Director of several concerns in Mysore. Was a member of the University Senate from 1928 and a member of the University Council since 1939. Was a member of the Representative Assembly and Legislative Council for several years; Chosen as Minister for Education by His Highness the Maharaja, June 1941. He is now in charge of the portfolios of Public Works, Electrical, Railways and Excise Depts. *Ad.* Basavangudi, Bangalore.

MANDAL, The Hon. Mr. JOGENDRA NATH, Minister-in-charge, Co-operative Credit and Rural Indebtedness. Government of Bengal: *b.* 1906 in Barisal dist. *ed.* the Brajomohan Col. Barisal and took his B.L. degree from the Calcutta University in 1933. He was practising in Barisal as a lawyer when he was elected as a Member of the Bengal Legislative Assembly from the Sadar and Bhola sub-divisions (excluding municipal areas) Constituency by defeating Mr. Saral Kumar Datta in 1937. In 1940 he was elected a Councillor of the Calcutta Corporation and served different committees on that body. He is also a member of the Barisal District Board. Till recently he was the Secretary, Independent Scheduled Caste Party in the Bengal Legislative Assembly and at present is the President of the Bengal Scheduled Castes League. Appointed Minister, Govt. of Bengal in Apl. 1943. *Ad.* 3, Cooper Street, Calcutta.

MANDI, Ruler of, H. H. RAJA SIR JOGINDER SEN BAHADUR, MAJOR, K. C. S. I., *b.* 1904, *ed.*: Lahore; ascended gaddi, 1918. Is a scion of Chandervansi clan, which made its mark in history hundreds of years ago. Has travelled far and wide and is a good tennis player and sportsman. His State, which is included in the Punjab States Agency, is progressive. *Ad.* Mandi, Punjab States Agency.

MANDLIK, SIR NARAYAN VISHWANATH, Kt., B.A., LL. B., J. P., ed : Bombay ; is Advocate Bombay High Court ; was member Bombay Municipal Corpn. 1904-26 ; sheriff of Bombay 1928 ; is member of various public institutions in Bombay. Was a Fellow, Bombay University ; a Freemason ; Member, London East India Asscn. ; holds several Govt. medals and also London Cobden Club Medal. *Ad.* "Hermitage", Pedder Road, Bombay.

MANIPUR, Ruler of, (See p. 214).

MANOHOR LAL, SIR, M.A., B.A. Kt., (Cantab.), Bar-at-Law ; b. 1879 ; ed : Lahore and Cambridge. Was Prof. of Economics, Cal. University, 1909-12 ; Principal, Randhir College, Kapurthala, 1906-9 ; Fellow, Punjab University. Is Finance Minister, Punjab from 1937. Has written on economic problems. *Ad.* 7, Club Road, Lahore.

MANSFORD, CLIFFORD, A. M., Ph.D. (Chicago), D.D. (Chicago Theological Seminary) Blatchford Fellow, Chicago Theological Seminary, 1922-24. Director, Nagpada Neighbourhood House ; Director, The Sir Dorabji Tata Trust ; Director, The Sir Dorabji Tata Graduate School of Social Work ; Editor, *The Indian Journal of Social Work*. b. March 6 1897. Served with American Expeditionary Forces during the War. Editor, *Religious Education*, U.S.A. 1924-25 ; Designated to Nagpada Neighbourhood House, Bombay 1925 ; Hon. Secretary, District Benevolent Society of Bombay ; Chairman, Bombay Government Committee on Adult Education 1938 ; Visiting Professor in the University of Chicago ; 1932 Alden-Tuthill Foundation Lecturer in the Chicago Theological Seminary. *Pub.* *The Social Settlement as an Educational Factor in India ; The Hindu-Muslim Problem in India ; The Delinquent Child*. Editor, *Bombay Today and Tomorrow ; The Child in India*. *Ad.*

Nagpada Neighbourhood House. Byculla, Bombay.

MARSH, PERCY WILLIAM, B. A., C. I. E., C. S. I., I. C. S., b. 1881 ; ed : Oxford ; joined I. C. S., 1905 ; served in various capacities in U. P. Is Adviser to the Governor, U. P. Chairman, Joint Public Service Commission of Punjab & N.-W.F.P. *Ad.* Lahore, Punjab.

MARTANDA VARMA, HIS HIGHNESS, Elaya Raja of Travancore. Heir-Apparent and brother of His Highness the Maharaja, b. 22nd March 1922, ed : privately. Is now a student of the Travancore University. Lieutenant-Colonel of the Travancore University Labour Corps. Lieut.-Col. of His Highness' Bodyguard. *Hobbies :* riding, photography. *Ad.* Kaudiyar Palace, Trivandrum.

MASANI, RUSTOM PESTONJI, M. A., J. P., F. I. B., b. 1876 ; ed : Bombay ; Provincial leader, National War Front, Member, National Defence Council ; Vice-Chancellor, Bombay University (1938-42) ; Vice-President Local Board of the Reserve Bank of India ; Director, Oriental Govt. Security Life Assn. Co. Ltd ; President, Anthropological Society (1932-36) & Bombay Presidency Adult Education Society ; &c. Author of *Dadabhai Naoroji* ; G.O.M. of India, *Ad.* 68-F, Nepean Sea Road, Bombay.

MASHRIQUI, ALLAMA INAYATULLAH KHAN, supreme leader of the Khaksar movement. Belongs to Amritsar and is a Pathan. Formerly served I. E. S. and was for some time Assistant Secretary to the Government of India. Sponsored his movement, 1931. Edits *Al-Islah* the official organ of the movement. Is now in Vellore jail.

MATHAI, JOHN, B. A., B. Litt., D. Sc., C. I. E., b. 1886 ; ed : Madras, London and Oxford. Was Director-General of Commercial Intelligence and Statistics ; was Prof. of Economics. Presidency

- College, Madras, 1920-25 : Prof. of Indian Economics, Madras University ; Member, Indian Tariff Board, later President. *Pub. Agriculture and Self-government*, etc. *Ad.* 1, Council House Street, Calcutta.
- MATHEWS, BERNARD**, son of F. F. Mathews, Southsea, England ; *ed* : King's College, London, and London University. Came to India 1914 ; Served in European war, 1914-18 ; Major, Royal Engineers ; Consulting Architect, Army Head Quarters, India, 1919-25 ; Architect to Bengal-Nagpur Rly 1925-30 ; Fellow of the Royal Institute of British Architects ; Fellow of Surveyors' Institution ; Member of the Town Planning Institution ; Partner, Messrs. Ballardie, Thompson & Matthews, Chartered Architects, Calcutta. Honorary Consul-General for Bolivia. *Ad.* Wellesley House, Wellesley Place, Calcutta.
- MAVALANKAR, THE HON. GANESH VASUDEO**, B. A., LL. B., b. 1888, *ed* : Ahmedabad and Bombay ; joined Bar, 1913. Joined Khaira no-rent campaign, 1917 ; acted as Secretary, Gujarat Provincial Congress Committee ; was President, Ahmedabad Municipality, 1930-33 ; was imprisoned and interned ; is Trustee, Gujarat Law Society. Speaker, Bombay Legislative Assembly. *Ad.* "Bhadra", Bombay.
- MAXWELL, SIR REGINALD MAITLAND, THE HON., M. A., C.I.E., K.C.S.I., I.C.S.**, b. 1882, *ed* : Oxford. Joined I.C.S. 1906. Became Deputy Commissioner of Salt and Excise, 1917-19 ; Secretary, Retrenchment Committee, 1921-23 ; was Secretary, Govt. of Bombay, 1928 and 1931-35 ; Commissioner of Excise, Bombay, 1935. Is Home Member, Government of India, since 1938. *Ad.* 2, King Edward Road, New Delhi.
- MAYURBHANJ, Ruler of**, (See p. 215).
- MACKENZIE, JOHN, M.A., D. D.**, b. 1888, *ed* : Scotland and Germany.
- Professor, Wilson College 1908, Principal 1921. Fellow, Bombay Univ. and Vice-Chancellor, 1931-33. Moderator, United Church of Northern India, 1938-41. *Ad.* Wilson College House, Bombay.
- MEHERALLY, EBRAHIM RAJAN-BHAI, F. R. E. S.**, b. 1907 ; *ed* : at Bombay. Is a merchant and landholder. Has travelled all over the world on business. Helped in establishing in London the Indian Merchants' Chamber of Commerce in 1927. Is member of several commercial associations in U. K. Has written on business and travel. *Ad.* Jassani Building, Haines Road, Jacob Circle, Bombay 11.
- MEHR CHAND, PANDIT, B. A.**, Honorary Principal, D.A.-V. College, Jullundur. b. 1869. *ed* : Lahore. While yet a student he played an important part in the early struggles of the Arya Samaj. In 1903 offered services without any remuneration to the Sain-Das Anglo-Sanskrit High School, Jullundur. In 1918 founded the D. A.-V. College, Jullundur and since then has been working as its Honorary Principal. Was returned unopposed to the old Punjab Legislative Council during 1928-30. *Ad.* Jullundur, Punjab.
- MEHROTRA, LALJI, B. A., LL. B.**, Manager, Bachhraj Factories Ltd., Karachi ; b. August, 1900. *ed* : Govt. School Jaunpur and Muir Central College, Allahabad ; Was on the Editorial staff of the "Independent," Allahabad, 1921 ; Secretary to Late Pandit Motilal Nehru (1922-23) ; Municipal Councillor since 1934 ; President District Congress Committee (1939-40), President, Karachi Indian Merchants' Association since 1940 ; Incarcerated twice in connection with the Civil Disobedient movement ; for one year in 1930, and for 2½ years in 1932 and is under detention now (Feb. 1948) under Defence of India Rules.
- MEHTA, SIR CHUNILAL B., Kt., J.**

P., Merchant, ex-Sheriff of Bombay, ex-President. Indian Merchants' Chamber, Bombay; Indian Stock Exchange Ltd., Bombay & Bombay Shroffs' Association; Federation of Indian Chambers of Commerce and Industry, New Delhi. Member Governing Body, Imperial Council of Agricultural Research (1935-38), Indian Central Cotton Committee, General Committee, The Red Cross Society (Bombay Presidency Branch), Director Reserve Bank of India Bombay Board, & Bombay Bullion Exchange Ltd., and also in many commercial concerns in Bombay and outside. Editor of *The Financial News, Bombay*; *Indian Cotton Review* *Ad.* 52, Ridge Road, Malabar Hill, Bombay.

MEHTA, SIR CHUNILAL VIJBHUCANDAS, M. A., LL. B., K. C. S. I., b. 1881; *ed*: Bombay; was Municipal Councillor and President of Corporation; member, Bombay Legislative Council, City Improvement Trust, and Bombay Port Trust; served as member, Bombay Govt. Exec. Council, 1923-28; is connected with several big Bombay business concerns. Is a mill-owner. *Ad.* 12, Ridge Road, Malabar Hill, Bombay.

MEHTA, FATEH LAL, b. 1868; *ed*: Ajmer; s. of the late Rai Mehta Pannalal, C. I. E. who was Dewan of Mewar State in three generation of the Maharanas; was a Tazimi Jageerdar; served the State in many capacities and was member, Judicial Court; retired 2 years ago. *Ad.* Rai Pannalal Mansion, Udaipur, Rajputana.

MEHTA, GAGANVIHARI L., M. A., Office-in-charger, Scindia Steam Navigation Co., Calcutta office; President, Federation of Indian Chambers of Commerce and Industry for 1942-8. b. 1900. *ed*: Bombay; London School of Economics. Was Asst. Editor, *Bombay Chronicle*; President, Indian Chamber of Commerce, Calcutta 1939-40, repre-

sented the Chamber on Bengal Board of Economic Enquiry and various other bodies. Is on the Advisory Comte. of the Bengal Pilot Service and on the Central Advisory Comte. for Lighthouses. Was in Indian Employers' Delegation to the 28rd. session of International Labour Confce.; Delegate to Internatl. Chamber of Commerce's 1937 session, Berlin. Member Central Advisory Board of Education in India. Director of Several Calcutta firms. *Pub.* *From Wrong Angles; Perversities; Conscience of a Nation.* *Ad.* 100, Clive Street, Calcutta.

MEHTA, SIR HOMI MANECKJI, Kt., b. 1871; started in Govt. service, as asst. in Bombay Mint. 1888; took to business 1896, purchased certain mills later. Started two Insurance companies and Electric Supply Corporations. Was member of Council of State, 1930-34; delegate to League of Nations, 1933 and 1934. Has started other concerns. Is a leading banker and mill-owner. *Ad.* 'Gulita' Worli, Bombay.

MEHTA, JAMNADAS M., M. A., LL. B., Bar-at-Law, b. 1884, *ed*: Bombay and London. Was a prominent Congressman. President, Maharashtra Provincial Congress Committee 1921-3, and Bombay Prov. Congress Committee 1929-30; member, Working Committee, Indian National Congress 1926, and member A.-I. C. C. 1921-31; delegate to I. L. Conference, Geneva, 1934; member, Bombay Municipal Corporation since 1922; Mayor of Bombay 1936-37; Revenue and Finance Minister, Bombay, 1937. Elected to the Central Assembly, March, 1941. President, All-India Railwaymen's Federation since 1931. *Ad.* Ridge Road, Malabar Hill, Bombay,

MEHTA, JAYSUKHLAL KRISHNA LAL, M. A., b. 1884, *ed*: Bombay; Secretary Indian Merchant Chamber 1907; Adviser to representative of Employers, 3rd and 14th sessions of

- International Labour Conference, Geneva, 1921 and 1980 ; Vice-President, Bandra Municipality 1984-88. *Ad.* "Krishna Kutir", Santa Cruz, B. B. & C. I. Bly.
- MEHTA, Dr. JIVRAJ NARAYAN, L. M. & S., M. D., F. C. P. S., M. R. C. P., *b.* 1887 ; *ed.* : Bombay and London ; was Chief Medical Officer, Baroda State ; was Dean Gordhandas Sunderdas Medical College and King Edward Memorial Hospital, Bombay *Ad.* Khambutta Hall, 16 Altamont Road, Bombay 26.
- MEHTA, DR. SIR MANGALDAS V., Kt., O. B. E., F. R. C. P. I., F. R. C. O. G., *s.* of Vijbhucandas Atmaram, *m.* Surajbai, daughter of Chandulal Dayabhai, in 1905 ; *ed.* : the St. Xavier's College, and the Grant Medical College, Bombay ; Queen Charlotte Hospital, London and Rotunda Hospital, Ireland. L. M. (Rot.) in 1909. First Indian to be elected Fellow of the Royal College of Physicians, Ireland. In 1910 started the Ruxmani Hindu Lying-in Hospital and in 1922 Nowrosjee Wadia Maternity Hospital. Nominated Fellow, University of Bombay in 1921. Filled important offices such as the Deanship of the Faculty of Medicine, membership of the Syndicate Academic Council and Postgraduate Board, etc. A nominated member of the Bombay Municipal Corporation from 1929 to 1989. Responsible for the opening of the Health Visitors' Institute in the City of Bombay in 1985, elected member of the Bombay Medical Council from 1982 to 1987 and from 1942 onwards and elected member of the Medical Council of India since 1989. Kt. in Jan. 1986 ; elected a Fellow of the Royal College of Obstetrics and Gynaecologists, London, in 1987. Has given over to the Bombay Municipality a Maternity Ambulance. *Ad.* "St. Vincents", 18, Ridge Road, Malabar Hill, Bombay.
- MEHTA, MANUBHAI NANSHANKAR, SIR, M.A., LL.B., C.S.I., Kt., *b.* 1868. *ed.* : Bombay ; started as Prof. of Philosophy and Lecturer on Law Baroda College, 1891-99 ; was Private Secretary to Maharaja of Baroda, 1899-1906 ; Diwan of Baroda, 1916-1927 ; became Prime Minister, Bikaner State, 1927-84 ; Home Minister, Gwalior 1937 and Foreign and Political Minister, Gwalior 1940, Indian State Delegate to Joint Parliamentary Committee on Indian Reforms, 1938 ; Delegate, R. T. Conference, 1990-1982. Has written on law and Indian States. *Ad.* 'Sunny Ville', Carmichael Road, Bombay.
- METCALFE, SIR HERBERT AUBREY FRANCIS, B. A., K. C. I. E., C. I. E., M. V. O., I. C. S., *b.* 1888 *ed.* : Oxford. Served in Punjab, 1908-13 ; appointed to Pol. Dept., was in N. W. F. Province, 1917-25, Secretary, Govt. of India. 1932, A. G. G. Resident and Chief Commissioner, Baluchistan, since 1989. *Ad.* Quetta.
- MITHA, SIR SULEMAN CASSUM HAJI, C.I.E., J.P., Kt. is a director of several joint-stock companies in Bombay ; was Sheriff of Bombay, 1934, member, Council of State, and President, Muslim Committee. Is a leading banker and landholder of Bombay. *Ad.* 27, Kholsa Mahalla, Bombay.
- MITRA, CHANDI CHARAN, M. A., B. L., Principal, Burdwan Raj College, *b.* Dec, 22, 1898, *s.* of late Mritunjoy Mitra of Ariadaha, 24 Parganas (Bengal). *ed.* : Calcutta. Was Professor of English, Presidency and St. Xavier's College, Cal. Carmichael College, Rangpur and Asutosh College, Cal. ; Vice-Principal, Ramjas College, Delhi, and reader in English, Delhi University ; Principal, Burdwan Raj College since 1928. *Pub.* A paper on the *Teaching of English* to the University Commission, and several annotated text-books. *Ad.* Burdwan Raj College, Burdwan, and 58 A, Garcha Road, Ballygunge, Calcutta.
- MITRA, DEBENDRA NATH, Rai

Bahadur Asst. Director of Rural Reconstruction, and Special Officer, Food Production, Bengal. *b.* 1890, *ed* : St. Xavier's College, Calcutta, and Agricultural College, Sabour. Joined Agricultural Department, Bengal, 1914. While in charge of the Government Agricultural Farm at Faridpur he was responsible for many schemes including the training of *Bhadraloque* youths in practical agriculture and settlement of *Khasmahal* land with them. Appointed Special Officer for Voluntary Restriction of Jute when the scheme was introduced by Government in 1934. His literary work won him the title of "Sahitya Bisharad" from Navadwip. *Ad.* Survey Buildings. Alipore, Calcutta.

MITRA, SISIR KUMAR, D. Sc., (Calcutta and Paris); M. B. E., *b.* 1891, *ed* : Calcutta and Paris; is Ghose Prof. of Physics, Cal. University; well known as pioneer radio research worker in India; was President. Math. and Physics section, Indian Science Congress, 1934, President Rotary Club of Calcutta, 1942-43. *Ad.* 9, Hindusthan Road, Ballygunge, Calcutta.

MITTER, SIR BROJENDRA LAL, M.A., B.L., Bar-at-Law., Kt., K. C. S.I., Advocate-General of India since 1937. *b.* 1875, *ed* : Cal. & London. Law Member, Government of India, 1928-34. Leader of Indian Delegation to League of Nations 1931 and 1933. Advocate-General, Bengal 1925-8 and Member, Bengal Executive Council 1934-7. *Ad.* 1, Race Course Road, New Delhi.

MITTER, LALIT KUMAR, *s.* of Late Hara Kumar Mitter; *b.* at Sakta, Dacca, in Nov. 1880; graduated in 1901 & passed B.L. 1903; practised for a short time in Mymensingh & Rajshahi and in 1908-9 went to Burma. Was an Advocate, High Court, Rangoon and Vakil, High Court, Cal.; Assistant Public Prosecutor, Mandalay for about 12 years and for a

time Public Prosecutor, Kyaukse; Was elected Member, Legislative Council by the Indian community of Mandalay in 1926 for 7 consecutive years; Is a member of the Theosophical Society and a Freemason; retired from practice in 1940; returned to Dacca in April 1942 at the outbreak of the war. *Ad.* Hara Nivas, Dacca.

MITTER, RUPENDRA COOMER, M. Sc., M. L., Judge, Calcutta High Court, *b.* Jan. 18, 1890, *ed* : Presidency College, Scottish Churches College, University Law College, Calcutta; *m.* Sudhahasini *nee* Bose; one son, one daughter. Practised as a Vakil and Advocate, Calcutta High Court. Was for some time Professor, University Law College. *Ad.* P, 24, Central Avenue, Hatkhola, Calcutta.

MITTER, SATISH CHANDRA, B. Sc. (Cal.), B. Sc. (Eng.) (Lond.), A. M. I. E. (Ind.), M. R. San. I., *s.* of late the Right Hon'ble Sir B. C. Mitter, P. C., *g. s.* of late Sir Ramesh Ch. Mitter, the then Chief Justice of Bengal; *b.* Dec., 1900 at Benares, *ed* : Calcutta, Awarded B. Sc. (Engineering) Degree of the London University, 1924; a Member of the Royal Sanitary Institute. Joined the Department of Industries (Bengal) as Industrial Engineer, 1925; appointed Deputy Director of Industries, 1934; Director of Industries, 1937; nominated M. L. C., 1938-37; worked in the Council as Official Whip efficiently. As Industrial Engineer invented and designed (i) Soap Drying Chamber, (ii) Paddy Husking Machine. (iii) Pottery Wheel, (iv) Stick Marking Machine, (v) Conch Shell cutting Machine etc. As Deputy Director of Industries sponsored (a) Detenu Training Scheme, (b) Unemployment Relief Scheme. As Director of Industries has been responsible for the establishment of (a) Government Industrial Museum, (b) Industrial Research

Board, (c) Moving Exhibition, (d) Bengal Industrial Survey Committee. *Pub. A Recovery Plan for Bengal, and A Five-Year Plan for Bengal. Ad. 7/1, London Street, Calcutta.*

MOBERLY, BERTRAND RICHARD, SIR, Lieutenant-General, K. C. I. E., C. B., D. S. O., *b. 1877, ed : Sandhurst ; joined Indian army, 1897 ; has been in war service in India and Europe and Egypt. Was appointed Lieut.-General in 1938. Is Red Cross Commissioner for India. Ad. Simla.*

MODY, SIR HORMASJI PEROSHAW, Kt., M. A., LL. B., K. B. E., Was member, Viceroy's Executive Council (Supply), *b. 1881, ed : Bombay ; member, Bombay Municipal Corporation since 1913 and its President 1923-24 ; was Chairman of Millowner's Association, 1927 and 1929-34 ; President, Employers' Federation of India, since 1933 ; is Chairman, Cricket Club of India ; member, Central Assembly, since 1929 ; was Chairman, Associated Cement Co. Ltd., Central Bank of India, Ltd., Was Director of almost all Tata Group of Cos. One of the two signatories to the Indo-Lancashire Textile Agreement ("Mody-Lees Pact") ; *Pub. The Political Future of India, and Life of Sir Phirozshah Mehta. Ad. Cumballa Hill, Bombay.**

MOHAMMED ALI, KHAN BAHADUR, B. A., M. L. A., b. 1909, ed : Bogra ; was connected with Bogra Municipality and Local and Dt. Boards ; has served as Chairman, Central Co-operative Bank ; is member, Bengal Board of Waqfs. Is Fellow, Calcutta and Dacca Universities ; has founded the A. H. College, Bogra. Is member Legislative Assembly. Has obtained several medals from Govt. : is a big zemindar. Ad. The Palace, Bogra.

MONTESORI, MARIA, b. in Chiaravalle, Italy on Aug. 31, 1870. She was the first girl in Italy to attend a public school. In 1896 she obtained

in Rome her degree of Doctor in Medicine. During her student days she joined the Feminist Movement, and a few days after receiving her degree she was chosen as delegate to represent the Italian women at the Feminists' Conference in Berlin. In 1897 she was admitted to a post in General Hospital of Rome. In the same year during the Medical Congress at Turin she created a stir by the accusation she launched against the medical profession in particular and society in general, for their neglect of defectives. In 1899 she was elected to the chair of Hygiene in the Women's University of Rome. In 1900 she visited London for the first time as the delegate of the Italian women at a Feminist Conference. There she was received by Her Majesty Queen Victoria and met Dr. Annie Besant. In 1904 she was made the lecturer of Anthropology at the University of Rome, while her success as doctor made her famous in the whole of Rome. Incidentally she introduced Theosophy to Italy, by collaboration in the translation of the first Theosophical books brought into Italy. In 1906 the "House of the Children" was inaugurated. From that moment she left everything to dedicate all her energies to her mission in spite of the pressure that her friends and admirers brought to bear upon her. In 1909 she gave her first training course. During the last world war her institution in Italy was closed. She went to the United States and created in New York a training college. In Barcelona she founded and directed for the whole period of the war the Seminary Laboratori De Pedagogia. In 1923 she went to Italy and in 1926 the Royal School of Montessori Method was created in Rome, only to be closed a few years later when she once again left Italy to return to Spain. There she created a private institution. Once again she

went to England and held there some courses and some international Conferences. Also she went to Holland and here she again created an institution. She created in 1989 the Social Party of the Child, which was founded in the Great Hall of the Parliament of Copenhagen. She is at present in India on invitation by Dr. Arundale, President, Theosophical Society, Adyar, Madras and his wife, Rukmini Devi. present *ad* : "Rose Bank," Kodaikanal, S. India.

MOOKERJEE, HARENDRA COOMAR, M. A., Ph. D., M. L. A., b. 1887. *ed* : Calcutta : 1st class First in M. A. Started as Professor, City Coll., Calcutta. Was Asstt. Prof. and later Secy., Postgraduate Dept. Cal. Univ. Inspector of Colleges, 1916-36. Head of the Dept. of English, Cal. Univ. ; 1936-40. Member, Senate, Cal. Univ. since 1932 ; President, All-Bengal Teachers' Assn. since 1939 ; was President, and is now Organising Secy., All-India Council of Indian Christians. Has contributed numerous articles on social, political and economic problems of the land to many first class magazines of India. *Ad*. Dehi Serampur Road, Entally, Calcutta.

MOOKERJEE, SYAMA PRASAD, M. A., B. L., Bar-at-Law, D. Litt. LL. D., (*Honoris Causa*), M. L. A. (Bengal), 1941-42. b. 1901, s. of late Sir Ashutosh Mookerjee, *ed* : Calcutta and London. Fellow, Calcutta University since 1924 ; Member, Bengal Legislative Council, 1929-37 ; Member, Bengal Assembly since 1937. Was Finance Minister, Govt. of Bengal. Vice-Chancellor, Calcutta University 1934-38. Working President All-India Hindu Mahasabha. *Ad*. 77, Ashutosh Mookerjee Road, Calcutta.

MOOKERJEE, RADHA KUMUD, M. A., P. B. S., Ph. D., Itihasa-Siromani (Baroda), ex. M. L. C. (Bengal), Prof. and Head of the Dept. of History, Lucknow Univ. b. 1884, *ed* : Berhampore and Calcutta ; obtained Geak-

wad Prize for Rs. 7000/-. An ardent nationalist and Congress M. L. C. Member, Bengal Land Revenue Commission 1938-40. *Pub. A History of Indian Shipping* (foreword by Sir Brojendra N. Seal) ; *The Fundamental Unity of India* (foreword by J. Ramsay Macdonald) ; *Hindu civilisation* ; *Local Government in Ancient India* (foreword by Lord Crewe) ; *Harsha* (Oxford) ; *Nationalism in Hindu Culture* ; *Men and Thought in Ancient India* ; *Asoka : Indian Land-system* ; *Early Indian Art*. *Ad*. Fyzabad Road, Lucknow.

MOORE, WILLIAM ARTHUR, M. B., E., b. 1880, *ed* : Belfast and Oxford ; started life as Journalist, was war and special correspondent for a time ; saw service in last great war : was squadron leader, R. A. F. Has visited different parts of the world. Was M. L. A., 1926-33 ; Was Editor of the *Statesman*. *Pub. The Miracle* by Antrim Oriol, *The Orient Express*, *This Our War*. *Ad*. 5-2, Harrington Street, Calcutta.

MOOS, F. N. A., M. D., B. S., D. T. M. and Hyg., F. R. I. P. H., D. P. H., D. P. A., J. P., b. 1893, ed : Bombay and London ; is fellow, Royal Society of Public Health ; and of University of Bombay ; of College of Physicians and Surgeons (Bombay) ; is Supdt. and Chief Medical Officer, Goculdas Tejpal Hospital. Has written on medicine. *Ad*. Alice Buildings, Hornby Road, Fort, Bombay.

MOOS, S. N., C. I. E., M. A. (Cantab) F. R. S. A., I. E. S., b. 1890, *ed* : Bombay and Cambridge ; joined I. E. S. 1918 ; was Educational Inspector, Bombay and Sind. Also Professor of Mathematics and Physics, Victoria Jubilee Tech. Institute, Bombay ; is Director of Public Instruction, Bombay. Has written on education, etc. *Ad*. Garden Reach, Bombay Road, Poona.

MORVI, Ruler of, (See p. 216).

MOUDGILL, KISHORI LAL, Director

of Research University of Travancore, b. Baddowal, March 18, 1896, *ed* : Punjab, Glasgow, and Cambridge Universities, B. Sc. (Glas.), *cum laude eximia*, 1916, A.T.C. 1918, B.A. (Cantab.) Research 1919, M. A. 1924, D. Sc. 1924, F. I. C. 1924, D. Sc. (Honoris Causa) of the Travancore Univ. : Professor, Mahindra College, Patiala, 1920-21 ; Professor, College of Science 1921 ; acted as Director of Public Instruction, 1927, before the formation of the University of Travancore. Dean of the Faculty of Science ; Vice-Chairman of the Council of Research and member of the Senate and the Syndicate, University of Travancore. Formerly member of Academic Council, Faculty of Science, Senate, and Syndicate of the Madras University. *Ad*. Trivandrum, Travancore.

MUDALIAR, ARCOT RAMASWAMI, SIR, The Hon. DEWAN BAHADUR, K.C.S.I., B.L., b. 1887, *ed* : Madras : was member, Legislative Council, Madras, 1920-26 ; Mayor, Madras Municipal Corporation, 1928-30 ; member, Council of State, 1930, and of Legislative Assembly, 1931-34 ; Member, India Council, London ; led Indian delegation to British Commonwealth Conference, Toronto ; Delegate to Nine-Power Conference, Brussels, 1937. Was Commerce Member, Viceroy's Executive Council upto June 1942 ; a member of the Pacific War Council and of the British War Cabinet ; appointed Supply member Viceroy's Ex. Council in May 1948. Was Hony. editor of *Justice*, Madras, 1927-35. *Ad*. 5, Queen Victoria Road, New Delhi.

MUHAMMAD ALAM, DR. SHAIKH. B. A. (Hons.) Oxon., LL.D. (Dub.), Bar-at-Law, member, Punjab Legislative Assembly, b. 1891. Was a prominent Congress worker, giving up his practice in 1921. Incarcerated several times. Was Deputy Leader of Congress Assembly Party which he resigned 1940. Was Mem-

ber, Congress Working Committee ; broke away from the Congress over the Shahidgunge Mosque *satyagraha*. Is now back to Congress ranks. *Ad*. Lytton Road, Lahore.

MUHAMMAD ZAKI UDDIN, M. Sc. (Hons. School), D. Phil., Ph. D., b. 1909, *ed* : Aligarh, Bonn and Cambridge ; has already made mark as a researcher in scientific subjects, particularly liquid helium, low temperature physics, magnetic properties of metals, and band spectra. Pupil of the late Profs. Lord Rutherford and Kayser. Awarded Research grant from Royal Society Mond Laboratory. Has published researches in U. K. and Germany and discovered strange laws of heat transmission in liquid helium II and presence of films. Editor, Aligarh Scientific Monographs *Ad*. Physics Laboratory, Univ., Aligarh.

MUKERJEE, TARAK NATH, The Hon. Mr., B. Sc., M. B. E., M. L. A., Revenue Minister, Government of Bengal since Apl. 24, eldest grandson of late Raja Peary Mohan Mukherjee, C. S. I., M. A., B. L., of Uttarpara, who was the first M. A. and B. L. of Calcutta University and a most enlightened and leading Zaminder, who took active and prominent parts in all public affairs from 1880 to 1920, and who was honoured with the two titles, which were simultaneously conferred on him in 1887. Was elected member of the Bengal Legislative Council in 1923 and re-elected in 1926 and again re-elected in 1929. Now a member of the Bengal Legi. Assembly from Burdwan Landholders' Constituency. Member, Hooghly Local Board since 1923 and Chairman since 1927. Commissioner, Uttarpara Municipality (1921-24), President Hooghly Dist. Industrial Committee ; Vice-President, Hooghly Dist. Landholders' Assn. since 1934. established some dispensaries and schools and regularly contributes for their maintenance. *Ad*. Uttarpara, Rajbati.

MUKERJI, BARODA KANTA, Retd. Officer, Burma Govt. ; b. Oct., 1838 ; s. of Late Ananda Chandra Mukerji ; m. Nabalakshmi Mukerji nee Bhattacharyya ; ed : Dacca. Has done yeoman's service while serving in Burma ; was one of the pioneers there and many of his countrymen found shelter and all other help from him. In Bengal after retirement he actively participated in the Cyclone Relief work of 1919 and rendered help to the distressed. Has been associated with uplift of rural problems. Pub : *Kamakhyā Darshana*, *Karma Phal & Lonsukher Itihas* (in Bengali) and *Life of Buddha* (in English), Ad. 'Ananda Bhawan', 35, Bishnu Charan Dass Street, Lalbagh, Dacca, E. Bengal.

MUKERJI, BHASKAR, B. Sc. (Cal), B. A. (Cantab), Deputy Ch. Executive Officer, Corporation of Calcutta ; b. 26th Nov. 1892 ; s. of Lt. Col. U. N. Mukerji ; m. Kalyani, daughter of Deshabandhu C. R. Das ; ed. Presidency College, Calcutta ; King's College, London ; Fitz William Hall, Cambridge. Was Professor of Physics, King Edward College, Amraoti (C. P.) & Victoria College of Science, Nagpur ; was Secretary to the Calcutta Corporation. Ad. Central Municipal Office, Calcutta.

MUKERJEA, SATYA VRATA, **RAJYA RATNA**, M. A. (Oxon) ; F. S. S., F. R. S. A. (London). Senior Councillor and Amatya, Kutch State : services lent by Govt. of Baroda since Dec. 1942. Also Rotarian Governor, District 89, R. I. b. 6th Feb. 1887 ; s. of the late Col. Pandit U. C. Mukerjia of the Indian Medical Service ; m. Sm. Aruna Devi, M. A. nee Bezbarooa, grand-niece of Rabin-drath Tagore, ed : Calcutta and Oxford. Entered Baroda Service 1911 ; Was Chief Secretary to the Government 1929 ; acting Revenue Commissioner, 1929-30, Development Commissioner 1935, confirmed as Sar Suba (Revenue Commissioner) 1936,

while Sar Suba conducted census of 1941 : Naib Dewan and Revenue Member 1941-42. Decorated "Rajya Ratna" Mandal Gold Medal for exemplary services 1934 ; also King George V Silver Jubilee Gold Medal 1936 and the King's Coronation Medal 1937. Pub. *Census Reports on Baroda*, 1921, 1931 and 1941, *Constitutional Reforms in Baroda* ; *Disjecta Membra* being Essays, Addresses and a Diary ; numerous articles of literary and philosophical interest. Ad. Shaila Sadan, Bhu j, (Kutch).

MUKERJEE, DR. BISWANATH, L. M. S., M. L. A., b. 6th August, 1893 at Muzaffarpur, Behar ; ed : at Gorakhpur and Calcutta ; m. Srimati Nibhanani Devi. Worked as assistant Editor of *Anrila Bazar Patrika* and *Hindu Spiritual Magazine* from 1915 to 1919. Founded B & N.-W. Railwaymen's Federation in 1920, All-India Railwaymen's Federation in 1924. President, U. P. Trade Union Federation in 1934. Vice-President, All-India Trade Union Congress and All-India Railwaymen's Federation, 1927-29. Was elected member of the U. P. Legislative Assembly, 1937. Chairman, Education Committee and Public Health Committee of Gorakhpur Municipal Board in 1936 and 1938 respectively. President, All-India Sugar-Workers' Association and Conference in 1938 and All-India Homœopathic Medical Association and Conference in 1939. A Congressman, courted imprisonment in connection with non-co-operation movement in 1921. Arrested and tried in connection with Meerut conspiracy case and acquitted after four years. As a homœopathic physician he commands an extensive practice. Ad. Zafra Bazar, Gorakhpur.

MUKERJI, PARESH NATH, RAI BAHADUR (1926), C. B. E. (1938), b. 1882, ed : Calcutta. M. A. 1902, started Govt. Service as Post Office

Supdt. in Bengal in 1904. Was Assistant Presidency Postmaster of Calcutta, Assistant Postmaster-General of Bengal and Assam, Assistant to Director-General of Post and Telegraphs of India, Secretary to the Indian Delegation to the International Postal Congress Stockholm, (1924) and a member of the Indian delegation to London Congress (1929) Appointed Assistant Director-General in 1927, Deputy Director-General of Postal Services in 1931. Postmaster-General of Madras in 1938, Postmaster-General in Bihar and Orissa in 1938-84, and Postmaster General in Bengal and Assam from 1984. Served as Senior Deputy Director-General of Posts and Telegraphs in India from 1938 to 1939, when he retired. In 1982 was deputed to Kabul to settle postal relationship with Afghanistan and in 1984 led Indian Delegation to the International Postal Congress at Cairo. Rejoined P. & T. Dept. as welfare officer 1942. *Ad.* Raceview, Hastings, Calcutta.

MUKHERJEE, BANKIM CHANDRA, M.A., B. L., Advocate, Calcutta High Court, b. 1887. *ed* : Muzaffarpur & Calcutta ; Scholar in B. A. & M. A., did research in Chemistry under Prof. Cunningham, Sir P. C. Roy & Sir J. C. Bose. Started as Prof. of Chemistry, City College, Calcutta. Joined the Bar 1911, appeared in Tikari Raj succession and Bhowal Sanyasi cases. A prominent Hindu Mahasabha leader, Member, All India Comte., Hindu Mahasabha and Exc. Comte., Bengal Prov. Hindu Mahasabha, Member, Exc. Comte., All-India Cow Confee. *Ad.* 15, Jadu Bhattacharji Lane, Calcutta.

MUKHERJEE, VIVEKANANDA, Editor "Jugantar" ; b. 1904 ; began his journalistic career in 1925 as an apprentice in the "Anandabazar Patrika." Was an associate editor of that paper till 1937. Was

Vice-President, Indian Journalists' Association ; A poet and versatile writer. *Pub* : *Japan Juddher Diary*. *Ad.* 2, Ananda Chatterjee Lane, Cal. **MURSHIDABAD, NAWAB BAHADUR OF, K. C. S. I., K. C. V. O.,** Ihtisham-ul-Mulk, Rais-ud-Dowla Amir-ul-Omra, Nawab Asef Kudr Sir Syed Wasef Ali Mirza, Mahabub Jung Khan Bahadur, is the leading nobleman of Bengal, b. 1875 ; *ed* : privately in Calcutta and is a prominent worker in the cause of Hindu-Moslem unity. Was member, Bengal Legislative Council for several years. Is descendant from Mohammed, Prophet of Arabia, and held in high esteem by Hindus and Moslems alike ; a great lover of fine arts and oriental architecture, all-round Sportsman and also an Urdu and Arabic Scholar. *Ad.* The Palace, Murshidabad.

MYSORE, Ruler of, (See p. 217).

NABHA, Ruler of, (See p. 217).

NAG, KALIDAS, M. A. (Cal.), D. Litt. (Paris), Lecturer in Ancient Indian History and Culture, Cal. Univ. b. 1892. *ed* : Calcutta & Paris Univ. Was Prof. of Hist., Scottish Churches College, Calcutta, 1915-16 ; Principal, Mahinda College, Galle, Ceylon 1919-26 ; represented India at the 3rd International Congress of Education Geneva 1921 and at the Internatl. League for Peace and Freedom, Lugano 1922 ; represented Cal. Univ. at Internatl. Congress of Libraries and Librarians, Paris 1928. Joined Cal. Univ. Postgraduate Dept. 1928. Founder-Secy., the Greater India Society 1926-30. Made lecture tour through Europe and America 1930-1 as Ghose Travelling Fellow, Cal. Univ. : Tempy. Collaborator, League of Nations, Geneva and Visiting Prof., Institute of International Educ., New York 1930-1. Represented India and P. E. N., Bengal at the Internatl. P. E. N. Congress, Buenos Aires 1936. Inaugurated its Indian Dept. as visiting Prof., Univ.

of Hawaii, 1937. Hon. Trustee, Pan-Pacific Union, Honolulu 1937. Member Delegate, 2nd British Commonwealth Relations Confee., Sydney 1938. Gen. Secy., Royal Asiatic Society of Bengal. Pub. French thesis: *Les Theories Diplomatiques del' Inde ancienne et l'Arihasastra*; *Cygne* (French translation of Dr. Tagore's *Balaka*); *Greater India: Art & Archaeology Abroad*; *India and the Pacific World*; edited *India and the World*. Ad. Postgraduate Dept., Calcutta Univ.

NAIDU, SRIMATI SAROJINI, b. 1879, ed: Hyderabad and England, is a gifted poetess, has written several vols. of poetry, which have drawn world-wide attention. Is a Congress leader, was President, Indian National Congress, 1925; is a famous speaker, interested in social, religious, and educational welfare of her countrymen and women. Has been in jail for her convictions; was nicknamed "The Nightingale of India." Was recently under detention under Defence Rules. Ad. Congress House, Bombay 4.

NAIDU, DR. P. VARADA RAJULU, b. 1887, Salem Dist., Medical Practitioner and General Secretary. All-India Hindu Mahasabha, Madura 1940. Joined politics early in life, was at first associated with Dr. Besant's Home Rule League, then with *Swadeshi* and Congress movements. Held Secretaryship of many organizations and presided over the biggest number of conferences in the Madras Presidency; imprisoned several times in connection with his political activities; member of the Congress Working Committee in 1925 and 1926; he now devotes his energy to the Hindu Mahasabha movement.

NAIR, SIR CHETTUR MADHAVAN, Et., B.A., Bar-at-Law; b. 1870, ed: Madras and London; joined Madras High Court, 1904; was law reporter; Prof. of Law; Govt. Pleader,

1919-23; Advocate-General Madras; Appointed permanent Judge Madras, High Court 1927. Knighted 1939; Officiating Chief Justice; ret'd. 1940. Appointed President of Rly. Rates Advisory Committee; appointed Judge, Privy Council, England in 1942 where he is residing at present. Permanent Ad: Lyawood, Cathedral P. O. Madras.

NANAVATI, SIR MANILAL BALABHAI, B. A., LL. B. (Bom.), M. A. (Penn., Pa.), U. S. A. b. 11th Jan., 1877 at Ahmedabad; Joined Baroda State Service 1908. From 1912 to 1931 held at various times post of Registrar, Co-operative Societies; Director of Commerce and Industries. Development Commissioner, Collector and Accountant-General, Secretary and then President, Okha Harbour Board. In charge of the development, Port Okha, 1926-30; Revenue Commissioner 1932-33, Naib Dewan (Member of Executive Council) 1934-35. Deputy Governor, Reserve Bank of India 1936-41, Ad. "Leela" Juhu, Bombay.

NANAVATI, ROMESH CHANDRA MOTILAL, F. C. I., F. F. C. S., F. Com. Sc. A., F. R. Econ. S., F. S. S. (London), Political and foreign Secretary, Nagod State, b. 25th Jan., 1908, m. Vasumati Ratilal Parekh, ed: Theosophical College, Madras. Appointed Assistant Registrar for India of the Faculty of Secretaries Ltd., 1936. Received by their Majesties King Carol of Roumania, Boris III of Bulgaria (1936), and Governor-General of Australia (1934). Served Dharampur State as His Highness the Maharana's Secretary from 1923 to 1933. Recipient of the International honour of the Order Officer of l'Ordre Universel du Merite Humain of Switzerland 1938-39, Travel Solicitor of the American Express Co. Inc. (1938-39). Travelled several times to Europe. Ad. Nagod, (C. I.).

NARANG, SIR GOKUL CHAND, Et.,

- M. A., Ph. D., Bar-at-Law. *b.* 1878, *ed.* : Calcutta, Lahore, Oxford and Bern. Practised at Lahore High Court ; was Minister, Punjab Govt. Is a social worker and interested in education and in sugar and steel industries. *Pub.* *The Message of the Vedas and Transformation of Sikhism.* *Ad.* Montgomery Road, Lahore.
- NARIMAN, KHURSHED FRAMJI,** B. A., LL. B., M. L. A., *b.* 1883, *ed.* : Bombay ; is a prominent Congress leader ; was member, A.-I. C. C. and also W. C. for several years ; has been convicted several times for part in C. D. movement ; was President, Bombay Congress Committee, for years ; was member of Bombay Legislative Council ; President Youth League and Students' Brotherhood ; is Municipal Corporator and was Mayor, Bombay Municipal Corporation, in 1935-36. Is keen on spread of education among masses. *Ad.* Near Worli Village share, Bombay.
- NATH, SAMBHU, SETH, B.Sc., LL.B.,** J. P., Mayor of Karachi ; *b.* 1903 ; s. of L. Mulraj Sibal of Dinga, Dist. Gujrat (Punjab) ; *ed.* Lahore. Came to Sind after graduation in Science and Law. Is a very big zemindar of Sind and a business magnate of Karachi. A patron of various societies and associations. *Ad.* Karachi city.
- NATARAJAN, KAMAKSHI, B. A., b.** 1868, *ed.* : Madras, was Haskell Lecturer, Chicago University 1938, edited the Indian Social Reformer, Bombay for fifty years, 1890-1940. *Pub.* A Reply to Miss Katherine Mayo's *Mother India*, etc. *Ad.* "Indian Social Reformer" office, "Kamakshi House", Bandra, Bombay.
- NATESAN, The Hon. Mr. G. A.,** Member, Council of State, Editor, 'Indian Review', Journalist, publicist and politician ; *b.* 25th Aug. 1878, in Tanjore dist. graduated 1897. An ardent Congressman originally, he seceded from the Congress when it adopted non-co-operation, joined the Moderate Conference, 1919. Has since been a staunch Liberal. Has been in the Madras Corporation for nearly a quarter of a century ; has served the Madras University on the Senate and the Syndicate for over two decades. Represented the Madras University at the Universities' Conference in 1924-29 and 1931. As member of the Standing Committee on Indian Emigration, he has done useful work in upholding the cause of Indians abroad. During Dec. 1930 along with Mr. Gray, formulated proposals for finding employments for the repatriates from South Africa. Mr. Natesan's recommendations are embodied in what is now called the Natesan-Gray Report. In 1928, Mr. Natesan was invited to join the Empire Parliamentary Delegation to Canada where he gave an exposition of India's case. Appointed Chairman, Retrenchment Committee for Stores Printing and Stationary in 1930. Member, Indian Tariff Board for giving protection to iron and steel industry 1933 ; ex-sheeriff of Madras ; *Pub.* *What India Wants, Ramayana, Mahabharata, Bhagwata, Upamishads* etc., and patriotic and political literature, biographies, etc., *Ad.* Madras.
- NAVA, Ruler of, (See p. 217).**
- NAWANAGAR, Ruler of, (See p. 218).**
- NAWAZ, BEGUM SHAH, M. B. E., M. L. A., b.** 1896, *d.* of late Sir Muhammad Shafi, *ed.* : Lahore ; *m.* Mián Shah Nawaz, a Lahore Barrister, interested in educational and social reforms, member of several public bodies ; was Vice-President, Social Reforms Conference 1929 ; and women delegate, R.T. Conferences 1930-33 ; Collaborator, League of Nations, 1931 ; only Indian delegate, Women's Advisory Board ; and delegate, International Labour Conference, Geneva 1935 ; Parliamentary Secy, Punjab Govt. for Education, Medical Relief and Public

- Health, 1937; Member, Council All-India Muslim League upto 1941. Was a delegate to the Pacific Relations Conference, 1948. *Ad.* 53, Lawrence Road, Lahore.
- NAZIMUDDIN, THE HON. SIR KHAWAJA, Kt., C.I.E., M.L.A.,** Chief Minister, Bengal; *b.* 1894. *ed.* Aligarh and Cambridge; was member, Dacca University Executive Council; and Chairman, Dacca Municipality (1922-29). Was Minister of Education (1929-34) and Home Minister, Bengal, 1937-41. Appointed Chief Minister, Govt. of Bengal, in April 1943. Is Member, Moslem League, and President, Bengal Moslem League. *Ad.* 9, Gariahata Road, Calcutta.
- NAZIR AHMAD, Dr., M. Sc., Ph. D.,** (Cantab) O. B. E., J. P., Director Indian Central Cotton Committee, Technological Lab.; Fellow Bombay University. Was Member, Imp. Council of Agricultural Research; *b.* May 1898. *m.* 1936. *ed.* M. A. O. College, Aligarh, Govt. College, Lahore and Peterhouse, Cambridge. Was Head of the Dept. of Science, Islamia College, Lahore 1925-30; and Asst. Director Technological Laboratory 1930-31. Is Member Governing Body of the Council of Scientific and Industrial Research. *Ad.* Technological Laboratory, Matunga, Bombay.
- NEHRU, JAWAHARLAL PANDIT, M.A.** (Cantab) Bar-at-Law, s. of late Pandit Motilal Nehru, *b.* 1889. *ed.* Harrow, Cambridge and London. Is the most prominent Congressman in India next to Mahatma Gandhi. Has been jailed several times in connection with C. D. movement and other political activities. * Is now under detention under Defence Rules; was President of the Congress, 1929-30 and 1936. *Pub.* *Autobiography, Glimpses of World History*, etc. *Ad.* Anand Bhawan, Allahabad.
- NEOGI, KSHITISH CHANDRA, M.A., B. L., M. L. A.** (Central), *b.* 1888, *ed.* Dacca and Calcutta, Member Dacca Univ. Court 1921-24; Member Central Assembly, 1921-34 and again since 1942; Adviser to the Indian States' Delegation to R. T. Confes. in London, 1930-32. Dewan of Mayurbhanj State 1934-40; Political Adviser, Mayurbhanj State 1940. Elected member, Standing Committee of Ministers of the Chamber of Princes, 1940. Chairman, Committee of Ministers, Eastern States. *Ad.* 13A, Southern Avenue, Calcutta.
- NEWATIA, RADHAKRISHNA,** Prominent industrialist and social worker, *b.* July 1901. *ed.* Calcutta. Is an active member of the Working Committee of the All-India Marwari Federation; President, Burrabazar Kumar Sabha Library. Also connected with various organisations of the Marwari Community and other public institutions. Is Director of three Companies. *Ad.* 185, Harrison Road, Calcutta.
- NIHAL SINGH, ST.,** famous publicist and social worker; *b.* 1884 Lahore. Started life as journalist, has contributed to various papers in U. K., U. S. A. and India. Has travelled very widely. Has written books for various Governments. *Pub.* 'Messages of Uplift for India' 'Urge Divine', 'Dry America', 'India's Fighting Troops', 'The Rajas and their India', etc. *Ad.* "Suryasthan", 16, Nemi Road, Dehra Dun, U. P.
- NIYOGI, JNANANJAN, b. Jan. 1891.** Spent early life in Patna and Gaya, *m.* 1920; owing to an accident in the throat, was a stammerer in childhood. In 1909 along with other friends he founded the Calcutta Workingmen's Institution of which he is still the Secretary. In 1911 he took his first lecture trip around Bengal and delivered over 50 lectures on the subject "The task before us" In 1913 he left his studies and joined the Navavidhan Mission Workers' group. In 1915 he went to Burma, Siam, and Singapore on a lecture tour. In 1916 he joined the Temperance Workers' Group and

organised educational and Temperance Exhibitions. As a lantern lecturer, he has created a new standard and a tradition. The introduction of statistical figures in popular lectures is his contribution to the lecture system in Bengal. Went on a lecture tour throughout U. S. A. lecturing on "India's right to prohibition and India's right to freedom" (1921). He delivered over 300 lectures in almost all the important towns of U. S. A. He organised village reconstruction Institutions and in 1924 Deshabandhu Chittaranjan Das entrusted to him the village reconstruction programme of the Congress. His famous lecture "Deshar Dak" had brought in a new breath among the youngmen to reconstruct national life on economic demands. He was prosecuted and imprisoned several times and was subjected to detention for 3 years, 1933-36. As one of the foremost social and political workers and a religious speaker he has earned a reputation in Bengal, and in India. Ever since his return from foreign countries he has given special attention to the development of new industries and creation of industrial-mindedness among the people. Small capital enterprises as well as various new industries owe much to his inspiration, guidance and practical help. He has developed a new technique in chart and model publicity and Health and Industrial Exhibitions. Present *Ad.* Commercial Museum, College St. Market, Cal.

NIYOGI, J. P., Minto, Prof. of Economics and Head of Depts. of Economics and Commerce, Cal. Univ. since 1935, b. 1893. *ed.* : Cal., London School of Econ. : Joined Cal. Univ. as Lecturer 1917 ; President, Silver Jubilee and Ranade Centenary Session of Indian Econ. Confce., Bombay 1941 ; Fellow, Cal. Univ. : Was member, Bengal Industrial Survey Comte. ; Consultative Comte. of Eco-

nomists set up by Govt. of India to deal with post-war reconstruction, etc. *Pub.* *The Evolution of the Indian Income Tax ; The Co-operative Movement in Bengal.* *Ad.* 90, Ballygunge Place, Calcutta.

NIYOGI, MACHIRAJA BHOWNI-SHANKAR, M. A., LL. B., C. I. E., b. 1889. *ed.* Nagpur ; joined Bar, 1910 ; was member, Nagpur University Court ; President, Univ. Union ; President, Nagpur Municipal Committee ; Vice-Chancellor, Nagpur University 1932-35 ; is Judge, High Court, Nagpur. Is keenly interested in social and political reforms. *Ad.* High Court, Nagpur, (C.P.).

NOON, SIR FIROZ KHAN, K.C.S.I., K.C.I.E., LL. D. (Toronto), M. A., (Oxon) Lawyer, politician ; Defence Member of Viceroy's Ex. Council ; b. 1893 : *ed.* : Lahore and Oxford. Advocate, Lahore High Court, 1917-26 ; Member, Punjab Legislature 1920-36 ; Minister for Local Self-Govt. Punjab, 1927-30. Education Min. 1931-36 ; High Commissioner for India in Great Britain 1936-41 ; Hon. Fellow, Wadham College, Oxford. *Pub.* *Canada and India '39 ; Wisdom from Fools : India Illustrated, Scented dust.* *Ad.* New Delhi & Simla.

NOORUDDIN, K., M.L.A., Hony. Secy., Mohamedan Sporting Club ; Mg. Director, Alliance Press, Ltd. ; Proprietor, "Morning News." b. 18th Oct. 1900, s. of late K. M. Ashrafuddin, m. Nazimunnisa Nooruddin, M.B.E., *ed.* : in Calcutta. Was elected Councillor, Cal. Corpn. in 1926, joined Indian National Congress and was a member of the B.P.C.C. ; was asst. Secy. of the Congress Exhibition Committee, 1928-9. Was greatly responsible for bringing Mr. M. A. Jinnah to Bengal when the activities of the Muslim League in this Province were revived. Was elected Alderman, Cal. Corpn., 1933 and resigned from that body when the Muslims boycotted Corpn. on

the issue of Muslim employment. Is a member of the Advisory Committee of All-India Radio ; *Ad.* 83, Theatre Road, Calcutta.

NORONHA, GEORGE ERIC, Dipl. Journalism, M.A., Ph.D., General Secy., Indian Telegraph Assn. Ltd., b. April 22, 1904, s. of L.A. Noronha, Esq., *ed* ; University of London, Catholic Univ. of America, Harvard. Was Managing Editor, "Bengalee" Washington, D.C., U.S.A., 1937-38 ; News Editor, All-India Radio, 1936-37. General Secy. Indian Telegraph Assn. since 1937. Is editor "Telegraph Recorder." *Pub. Backgrounds in the Education of Indian Girls.* Ad. Olympia House, Mission Row Extn. Calcutta.

NORMAND, CHARLES WILLIAM BLYTH, C.I.E., M.A., D.Sc., F.N.I., Director General of Observatories, b. 10th Sept. 1889, m. Alison McLennan, *ed* ; Royal High School and Edinburgh University ; Carnegie Scholar and Fellow, 1911-18 ; Meteorologist, Simla, 1913-15, and 1919-27 ; I.A.R.O. with Mesopotamian Expeditionary Force, 1916-19 ; mentioned in despatches, 1917 ; Director General of Observatories, 1927 ; C.I.E. 1938 *Pub.* Articles in Chemical and Meteorological Journals. *Ad.* Meteorological Office, Lodi Road, New Delhi.

OJHA, AMRITLAL, M.I.M.E., F.R.S.A., b. 1890, a leading businessman of Calcutta. Was President, Indian Chamber of Commerce, Calcutta ; of Indian Colliery Owners' Association ; Vice-President, Bengal National Chamber of Commerce ; President Mining and Metallurgical Society of India, (1929-30) ; President, B. & O. Industrial Confee., 1931 ; was M. L. C., Bihar 1926-30 ; went to Geneva as Employers' Delegate, Labour. *Ad.* Security House, 102A, Clive St. Calcutta.

PAKVASA, The Hon. MANGALDAS MANCHARAM, B.A., LL.B., b. 1882, *ed* ; Bombay ; Solicitor, Bombay

Court. Is President, Bombay Legislative Council. Takes interest in social welfare. *Ad.* West Lodge, Narayan Dabholkar Road, Bombay.

PANANDIKAR, SATYASHRAYA GOPAL, M.A., Ph.D., D.Sc., b. 1894 ; *ed* ; Bombay and London. Was Professor of Political Economy, Dacca University ; is Professor of History & Political Economy, Karnatak College. Has written on banking and industry. *Pub. Wealth and Welfare of the Bengal Delta.* *Ad.* Karnatak College, Dharwar.

PANDE, Major B. P., B.A., LL.B., F.R.E.S. (Lond.), Dewan, Mayurbhanj State, b. at Bareilly 1896. *ed* ; Muir Central Coll., Allahabad. Advocate, Bareilly. Chairman, Bareilly Municipal Board. Chief Secretary, Orchha State, 1930, Dewan 1932. Attended the Third Round Table Conference, 1933, as a Member of the Indian States Delegation. Dewan of Mayurbhanj State 1940. Interested in numismatics, economics, history, journalism and arts. *Ad.* Baripada, Mayurbhanj.

PANCHKOTI, Raja Sri Sri KATYANI PRASAD SINGHA DEO of, b. March 1899 ; Succeeded to the *Raj* Sept. 1938. The Raja is a good sportsman and he takes keen interest in administration works, Public Works and in the welfare of his tenants. The Raja maintains a free Sanskrit College and contributes liberally for education. Has contributed Rs. 50,000 to War Fund. Has placed the administration of the *Raj* in the able hands of Mr. Panna Lal Bose M. A. (Retd. Dist & Sessions Judge, Bengal) who was famous for his Bhowal Sannashi Case judgment. *Ad.* Panchkote, Orissa, B. N. R.

PANDIT, SHIMATI VIJAYALAKSHMI, M.L.A., first woman Minister in India ; was in Cabinet of U.P. Congress Government, d. of late Motilal Nehru, and sister of Pandit Jawaharlal, she has been in the thick of the Congress movement since non-co-

- operation days. Organized women volunteers of the Congress, U.P. Has suffered imprisonment more than once for civil disobedience. *Ad.* Anand Bhawan, Allahabad.
- PANDYA, DR. ANANT H., Principal, Bengal Engineering College, Sibpur, *b.* at Bhavnagar (Kathiawar); *m.* Lilavati Shah, *ed.*: Bombay, D. Sc. in engineering from the Massachusetts Institute of Technology. Joined Mckenzie's Ltd. in Bombay, 1934. Went to England in 1935 and worked with the Trussed Concrete Steel Co., Ltd. in London. Visited U. S. A. and Canada in 1936 and in 1937. Appointed Chief Engineer of Diagrid Structures Ltd, 1937. Wrote a paper on Application of Arc Welding for which he was awarded an international prize of Rs. 32,000 by the Lincoln Foundation. Returned to India in 1939 to take up his present post. *Ad.* Bengal Engineering College, P. O. Botanic Garden, Howrah.
- PANIKKAR, KAVALAM MADHAVA, B. A., Bar-at-Law, *b.* 1895. *ed.*: Madras, Oxford and London. Secy. to Chancellor, Chamber of Princes; Foreign Minister, Patiala; is Foreign and Political Minister and Minister for Education and Health, Bikaner State, 1939; Secy. Indian State Delegation to R. T. Conference; has written on religion, education, politics, etc., and contributed to various foreign papers. *Pub.* *Indian States and Government of India*, etc. *Ad.* Bikaner.
- PANNA LALL, M. A., B. Sc., LL.B., (Cantab) Hon. D. Litt., Bar-at-Law, C. S. I., C. I. E., I. C. S.; Adviser to H. E. the Governor, U. P.; *b.* Bareilly Nov. 29, 1883; *ed.*: Agra College, Allahabad and Calcutta Universities; Govt. of India Scholar for higher studies in the United Kingdom; Entered I. C. S. 1907. Magistrate and Collector; Settlement Officer; Commissioner, Benares, Allahabad & Jhansi Divisions; Chief Secy. to the Political Agent in Benares; Member, Hindusthani Academy; Member, Indian Historical Records Commission 1926; President, U. P. Historical Society; President Numismatic Society of India; *Pub.* Joint Translator of Bhasa's *Svapnavasavdatta*; author *Hindu Customary Law in Kumaun*, *Dates of Skandagupta* and his successors, *Some problems in Gupta Chronology*, *Junior Collector's Handbook*, etc. *Ad.* Allahabad.
- PANT, GOVIND BALLAV, PANDIT, *b.* 1886, Ex-premier, U. P., *ed.*: Allahabad; Is member of A. I. C. C.; was member, Central Assembly; Member of Legislative Assembly, U. P.; Jailed for taking part in C. D. movement, 1940. *Ad.* Talli Tal, Naini Tal.
- PANTULU, RAMADAS, V., B.A., B.L., Madras. *b.* 1878, President, The Indian Provincial Co-operative Banks Association and the All-India Co-operative Institutes' Association; Member Central Committee, International Co-operative Alliance, London. Editor, "The Indian Co-operative Review" and of the "Year Book & Directory of Indian Co-operation", 1942. Is connected with several banks and insurance companies; Delegate, 14th International Co-operative Congress, 1934. Member, Indian Central Banking Enquiry Committee, Townsend Committee on Co-operation, Madras, 1927; and Committee on Co-operation, Madras, 1939-40; Chairman Board of Experts appointed by the Congress Government for the rehabilitation of the Co-operative Movement in Bihar; Leader Congress party in the Council of State; Member, Indian Central Cotton Committee; and of the Governing body of the Indian Research Fund Association; Chairman, Rural Financing and Marketing Subcommittee of the National Planning Committee; President, Andhra

Provincial Board of the Harijan Sevak Sangha. *Pub. Commentaries on the Madras Estates Land Act.* (Land Tenure in Madras) *Ad.* Farhatbag, Mylapore, Madras.

PARANJPE, GOPAL RAMCHANDRA, M. Sc., F. N. I., I. E. S., J. P., b. 1891, *ed*: Poona, Heidelberg and Berlin. Is Principal and Professor of Physics, Royal Institute of Science Bombay. Is Fellow of the Indian Academy of Sciences, Bangalore and of the Indian Physical Society, Calcutta. Has contributed to Scientific papers. Edits a Marathi scientific monthly. *Ad.* Royal Institute of Science, Mayo Road, Bombay.

PARANJPYE, SIR RAGHUNATH PURUSHOTTAM, Kt., M.A., D.Sc., b. 1876, *ed*: Bombay, Poona, Camb., Paris and Göttingen. Was Senior Wrangler and Fellow of St. John's College (Cambridge). Served as Principal and Professor of Mathematics, Fergusson College, Poona (1902-24). Was Vice-Chancellor, Indian Women's University; Member Legislative Council (1918-28); Minister, Bombay Government; Member, India Council (1927-32); Vice-Chancellor, Lucknow University (1932-38); Kaiser-i-Hind Gold Medal, 1917; knighted 1942: Is a prominent Liberal. President of National Liberal Federation (1924 & 1939). Has written on Politics and rationalism. *Ad.* Poona 4.

PARLAKIMEDI, RAJA OF, CAPTAIN MAHARAJA SRI SRI SRI KRISHNA CHANDRA GAJAPATI NARAYANA DEO, M. L. C., Chief Minister, Orissa. b. 1892, *ed*: Madras. A big landholder in Ganjam Dt. Was a member of Royal Commission on Agriculture; was a delegate to 1st R. T. Conference; gave evidence before Joint Parliamentary Committee in London. Holds Hon'y. Commission. H. I. M. land forces. Is keenly interested in industrial advancement. Maintains

schools, colleges, etc. Has donated large sums to public Institutions. Is a big-game hunter and cricketer. *Ad.* Cuttack.

PARMANAND BHAI, M. A., M. L. A. (Central), member of working Committee, Hindu Mahasabha; b. 1875, *ed*: Punjab. Joined Arya Samaj and went to South Africa, 1905, back to India 1908 arrested on political grounds. Left for South Africa 1910, back to India, 1913. Convicted as political suspect and transported for life. Released after six years; joined the non-co-operation movement 1920. Joined Hindu Mahasabha and sponsored *Sangathan* movement. Presided over the 1933 session of All-India Hindu Mahasabha at Ajmer. *Ad.* Shishmahal Road, Lahore.

PATEL, MULJIBHAI MOTIBHAI, The Hon'ble, M. B., B. S., O. B. E., b. Sep. 1897; s. of late Motibhai Vehribhai Patel of Sojitra, Baroda State; m. Maniben; *ed*: Poona & Bombay. Practised medicine at Baroda 1923-25; came to East Africa, Uganda, Dec. 1925, for general medical practice at Kampala. At present the oldest and leading Indian medical practitioner in Uganda. Many times President, Indian Association, Kampala; ex-president, Patel Samaj, The Arya Samaj, The Social Service League, The Nakasero Club, all of Kampala. Nominated unofficial member, Legislative Council, Uganda since Aug. 1936. At present the senior unofficial member; Member, Standing Finance Committee and of various other Committees on Education, Health, Civil Defence, etc. set up by the Govt.; Honoured O.B.E. 1942, on King's Birthday. Member of various other Committees set up to organize war efforts. President, the Central Council of Indian Association, Uganda and Gujarati Literary Society. *Ad.* Kampala, Uganda, B. E. Africa.

PATEL, VALLABHBHAI JHAVER-

- BHAI**, Bar-at-Law, *b.* 1875. *ed* : Nadiad, started life as pleader; went to England, read law, returned as Barrister. Joined the Congress. Took prominent part in satyagraha and Bardoli no-tax campaign. Elected President, Ahmedabad Municipality. Was President of the Congress, 1931. Is Member, A.-I. C. C. Has been jailed for taking part in C. D. movement. *Ad.* Partabgarh, Rajputana.
- PATIALA**, Ruler of, (See p. 218).
- PATKAR**, SIR, SITARAM SUNDERAO, Kt., B.A., LL.B. *b.* 1873, *ed.* Bombay. Joined High Court, Bombay, as pleader : Govt. Pleader, 1913-26 ; Judge, Bombay High Court, 1926 ; Offg. Chief Justice, 1931. Vice-Chancellor and later Chancellor, Indian Women's University. Has served on several enquiry and arbitration committees, and is President and trustee of several charitable and educational institutions. *Ad.* Hughes Road, Chowpatty, Bombay.
- PATNA**, Ruler of (see p. 219)
- PATRO**, SIR ANNEPU PARASHURAM, Rao Bahadur, Kt., joined Madras Bar, ; was member, Madras Legislative Council 1920-37 ; Minister of Education, 1921-27 ; presided over All-Parties' Conference, Delhi 1930. Delegate to R. T. Conf. (thrice) ; delegate to League of Nations, Geneva 1931. Prominent member of Justice Party (Madras). Member Council of State from 1937. Has written on rural economics and self-government. *Ad.* Kesava Bagh, Royapetta, Madras.
- PATTON**, KENETH STUART, B. A., American Consul General, Calcutta, *b.* July 22, 1882, *s.* of John S. Patton ; *m.* Alice V. Corson ; University of Virginia, (B.A.) : Post-Graduate studies at Sorbonne (Paris) and John Hopking University (Baltimore) ; entered American Consular service 1903 ; has been in service at Marseille, Rome, Lisbon, Cognac, La Rochelle, Paris, Calais, Belgrade, Pzig, Batavia, Amsterdam, Singapore and Calcutta. *Pub. Kingdom of Serbs Croats and Slovenes*, 1928 ; *Ad.* American Consulate General, 9 Esplanade Mansions, Calcutta.
- PAUL**, SIR HARI SANKER, Kt., M.L. A., Governing Director, Butto Kristo Paul & Co. Ltd. Calcutta. *s.* of late Butto Kristo Paul, *b.* 1888. Has greatly developed this illustrious drug concern's manufacturing side. Made extensive business tour in Europe 1927. Kt. 1930. Councillor, Cal. Corpn. & Trustee, Cal. Improvement Trust since 1924 and 1926 respectively. Mayor of Cal. 1936 ; Pres., Beng. Natl. Chamb. of Comm. 1936-39. Member, Rly. Rates Adv. Comte. ; Commissioner, Cal. Port Trust ; President Cal. Chemists & Druggists Assn. and Bengal Pharmaceutical Manufacturers' Assn. ; Director of many reputed industrial Cos. Believes in Industrialism for India. Made extensive public charities. *Ad.* 92, Shovabazar Street, Calcutta.
- PERIER**, FERDINAND, MOST REV., S. J., *b.* 1875, Member, Society of Jesus since 1897 and is Roman Catholic Archbishop of Calcutta since 1924. *Ad.* 82, Park Street, Calcutta.
- PETIT**, SIR DINSHAW MANOCKJEE, BART., B. A., Bar-at-Law. *b.* 1901, *ed* : Bombay, Cambridge and London. Is 3rd baronet. A well known philanthropist and public worker. *Ad.* Petit Hall, Malabar Hill, Bombay.
- PHILLIPS**, WILLIAM, HARVARD, B. A., and M. A. Queen's College and Dalhousie College LL. D. ; Personal Representative of the President of the United States, in India. *b.* May 30, 1878, *s.* of John C. Phillips of Boston, U. S. A., *m.* Caroline Aston Drayton ; *ed* : Harvard College & Law School. Twice Under-Secretary of State in Washington : Minister to Holland and to Canada, Ambassador to Belgium and to Italy. *Ad.* American Mission, New Delhi.
- PHILPOT**, HAROLD PERCY, B. Sc., (Engn.) Hons., (Lond.) Whitworth

- Scholar, M. I. C. E., M. I. M. E., M. I. A. E., M. I. M., F. N. I. (India) Principal and Jodhpur Hardinge Professor of Technology, Engineering College, Benares Hindu University, *m.* Alice Rosa Ridgeway, M. B. E., B. Sc.; was designer at Messrs. Yarrow & Co., Ltd., Engineers and Shipbuilders; Assistant Professor of Mech. Enging. University College, London; Assistant Chief Inspector, Aeronautical Inspection Directorate and Major, R. A. F.; Prof. of Civil and Mech. Engineering Finsbury Technical College, Lond.; Patiala Professor of Mechanical Engineering, Benares. *Pub.* *Some Experiments on Notched Bars.* (Awarded Crompton Medal). *Inst. of Automobile Engg., Shop Practice in Respect to Aircraft Steels, Some Principles of investigation Work in Engineering* (Hon. Member's Lecture), *Instruction in Engineering Design*, Vol. I, *Vertical Steam Engine*, Vol. II, *Lattice Girder Bridge*. *Ad.* Engineering College, Benares Hindu University, Benares.
- PILLAI, ARULANANDAM DEIVASAGAYA, RAO BAHADUR, B. L., Agent, the Government of India in British Malaya (retired) *b.* 11th July 1868, *ed.* Trichinopoly, and Madras. *m.* 1890, Soundranayagathammal. Presided over the 7th All-India Catholic Congress at Mylapore, 1939, and the 4th All-Travancore Latin Catholic Congress in 1940. *Pub.* *The Secret of Memory or The Art of Never Forgetting*, the *Perpetual Almanac, The Madras Year-Book*, 1923. *Ad.* Sgundra Mahal, P. O. Kurumbagaram, Tanjore Dt.
- PODDAR, ANANDI LAL, M. L. A. Deputy Mayor, Calcutta Corporation *b.* 1918, *ed.* Calcutta. Is President, Marwari Association, Calcutta, which body he represents in Bengal Legis. Assembly; Councillor, Calcutta Corporation. Is associated with Marwari youth movement; a prominent industrialist of Calcutta. Elected Deputy Mayor in Apl. 1943. *Ad.* 115A, Chittaranjan Avenue, Calcutta.
- POLLOCK, RONALD EVELYN, B.A., (Cantab) Bar-at-Law, I. C. S.; Joined I. C. S., 1915; became District and Sessions Judge. 1924; Legal Remembrancer, 1930; addl. Judicial Commr., 1932. Appointed Puisne Judge, 1936. *Ad.* Nagpur.
- PORBANDAR, Ruler of, (see p. 219)
- PRADHAN, SIR GOVIND BALWANT, B.A., LL.B., Kt. *b.* 1874, *ed.* Bombay. Was Public Prosecutor, Kolaba, 1907-20; member, Bombay Legislative Council, 1924-26; Chairman, Reception Committee All Faiths' Conference, and All-India Anti-Communal Award Conference Bombay; member of Thana Municipality for two decades, later became President; was Finance Minister, Bombay Govt., 1928-32. *Ad.* Balwant Baug, Thana, Bombay.
- PRASAD, SIR JAGADISH KUNWAR, M.A., LL.D., K.C.S.I., C.I.E., O.B.E., *b.* 1880. *ed.* Allahabad and Oxford; Was Asst. Joint. and Dt. Magistrate and Collector and Secy. U. P. Govt., 1921-27; Chief Secy., 1927-31; resigned I.C.S. 1933; Home Member, U. P. Govt., 1933-35; Member, Viceroy's Council, 1935-40; Took prominent part in Bombay Political Conference, March 1941. *Ad.* Moradabad (U.P.).
- PRASAD, RAJENDRA, M.A., M.L., LL.D., *b.* 1884, *ed.* Cal. Joined Cal. High Court Bar. Started Patna Law Weekly. Member A.I.C.C.; has been jailed several times; President, 48th session, Indian National Congress 1934; Rendered Unique Public service during the earthquake in Bihar and Quetta. Was a Fellow, Patna Univ. Has been entrusted with Rs. 1 lac under the will of the late Sir Jagadish Chandra Bose for promoting friendly feelings between the peoples of Bengal and Bihar. Is now under detention under Defence Rules. *Ad.* Patna.
- PUDUKKOTTAI, Ruler of, (See p. 220)
- PUNNIAH, K., Editor, *Sind Observer*,

- Karachi : b. 1887 ; s. of Narayan Rao, m. 1911, ed : Guntur A.E.L.M. Coll. For 22 years, Editor of *Sind Observer* and has been in Indian journalism for 30 years. Started two high schools in Karachi and also a Co-operative Housing Society. *Ad.* Karachi.
- QADIR, SIR ABDUL SHEIKH, KHAN BAHADUR**, Bar-at-Law, b. 1874, had been a working journalist for about a decade. Joined Lahore High Court Bar, 1907. Had served as addl. Judge, Lahore. Was elected President, Punjab Legislative Council for a short period. Acted as Minister for Education, Punjab, later as Revenue Member ; was member secy. of state for India Council, 1934-37. Was Adviser to the Secretary of State (1937-39). Was temporary Law Member Viceroy's Council. *Pub.* Has written in English and Urdu. *Ad.* 4 Temple Road, Lahore.
- RADHAKRISHNAN SARVAPALLI, SIR, M.A., D.Litt., LL.D., b. 1888, ed.** Madras. Has served as Professor Madras, and Mysore. Was King George V Prof. of Philosophy, Calcutta University ; Upton Lecturer in Comparative Religion, Manchester College, Oxford ; and also Hibbert Lecturer, Professor of Eastern Religion, Oxford University 1936. Has served as Member International Committee on Intellectual Co-operation, 1931-39. Is the Vice-Chancellor Benares Hindu University for some years and is now the holder of the newly created Sir Sayaji Rao Professorship of Indian Civilization and Culture of the same University. *Pub.* "Philosophy of Rabindra Nath Tagore," "The Hindu View of Life" and a number of learned books on ethics, philosophy, religion etc. *Ad.* Benares Hindu University, Benares.
- RAHIM, SIR ABDUR, M.A., LL.D., K.C.S.I., b. 1867. ed :** Calcutta and London. Practised Law in Calcutta. Was Presidency Magistrate, acted as J. of Madras twice. Was Bengal Executive Council ; leader of Bengal Moslems ; Member, Legis. Assembly (Central) of which he is now President since 1935. Led Indian Delegation to Empire Parliamentary Conference 1935. Has written on Law. *Ad.* 6, Canning Road, New Delhi.
- RAHIMTOOLA, FAZAL IBRAHIM, B.A., C.I.E., J.P., b. 1895, ed :** Bom., has studied law. Is a leading business magnate, Bombay. Was Secretary, All-India Moslem Conference and All-India Minorities Conference ; was member, Central and Bombay Assembly ; was President, Indian Tariff Board ; Trustee, Bombay Port Trust. Member Central Food Councils ; member, Haj Enquiry Committee. President, Urdu News papers Assoc. ; Doing active work in various capacities. *Ad.* Ismail Building, Hornby Road, Bombay.
- RAIKUT, PRASANNA DEB, M.L.A., b. 1893, ed :** Rajpur, has been member, Bengal Legislative Council and Legislative Assembly for many years. Was Minister for Excise and Forests, Bengal. Is a leading zamindar of Bengal. Owns Baikunthapur Raj Estate (Jalpaiguri). Has promoted various industries. *Ad.* 3/3, Heysham Road, Calcutta.
- RAISMAN, ABRAHAM JEREMY, The Hon. Sir, K.C.S.I., C.I.E., I.C.S. b. 1892, ed :** Oxford, joined I.C.S., 1916. Was in Bihar first, and later in Customs Dept., Bombay and Calcutta. Was Commissioner of Income-Tax, Punjab and N. W. F. Province. 1928-31 ; was member, Central Board of Revenue ; is Finance Member, Viceroy's Executive Council. *Ad.* 4, King Edward Road, New Delhi.
- RAJ KANWAR, RAI BAHADUR LALA, M.A., P.C.S., (Retd.)** Chief Minister, Patna State since Oct. 1, 1936, b. March 31, 1882. *ed :* Forman Christian and Law Colleges, Lahore ; Award Arnold gold medal for standing first in M.A., Punjab University, 1902 ; was for short period, Professor

the Central Training College and Forman Christian College, Lahore, 1908. Held appointments in the Judicial and Revenue Depts. and as Munsiff in the Punjab 1908-12; Deputed to Gwalior State 1913; Worked in various important capacities in Gwalior State. Reverted to Punjab Civil Service, 1927, Officer on Special duty in the Punjab Secretariat, 1927-28; Under-Secretary to Punjab Government 1929-31; Secretary, Punjab Sources of Revenue Committee, 1931; Sub-Divisional Officer, Additional District Magistrate, etc. Punjab, 1932-36. Awarded Kings Coronation Medal (1937); Member, Indian Historical Records Commission, and the Commt. of Ministers of the Chamber of Princes, the standing Committee of the Central India and other States Group, Vice-President of the Patna State Cabinet. *Ad.* Bolangir, Patna State, Orissa.

RAJAGOPALACHARIAR, CHAKRAVARTI, B. A., B. L., b. 1879, joined Salem Bar, 1900; General Secy., Indian National Congress, 1921, Member of Congress W. C. 1921-42 with occasional breaks. Was imprisoned several times in connection with Congress movement. Was Prime Minister, Madras 1937-39. Seceded from Congress, High Command, 1942. *Ad.* 48, Bazlullah Road, Thagarayanagar, Madras.

RAJAN, T. S. SUNDARA, M. R. C. S., L. R., C. P., b. 1880. *cd.* Madras and London. Started practice in Rangoon then at Srirangam. Was a Congress worker for a time. Served as Minister of Public Health and Religious Endowments, Madras, 1937-39. Is responsible for Rajan Clinic, an important addition to hospitals in S. India. *Ad.* 58, Poonamallee High Road, Kilpauk, Madras.

RAJKOT, Ruler of (See p. 220)

RAJPIPLA, Ruler of (See p. 221)

RAMPUR, Ruler of (See p. 222)

RANA, TRIBHUVANRAI D., RAO

BAHADUR, B. A., LL. B., b. 1870. *ed.*: Bombay, was connected with Junagadh State in various capacities, from 1897 to 1928; then joined Rajkot State. Has served as Dewan, Junagadh and Radhanpur States. Is now Dewan of Kutch State. Enrolled in Federal Court, Delhi as senior advocate. Has received several medals. *Ad.* Bhuj, Kutch State, (W. I.).

RAHMAN, DR. A. F., LL. D., B. A. (Oxon), member, Federal Public Service Commission: Professor of History in the late Muhammadan Anglo-Oriental College, Aligarh. Was in the Committee that made it a University. Reader of History and Provost, Moslem Hall, Dacca since 1921. Represented Dacca University in the Bengal Legislative Council, 1924. Secretary, Aligarh University Inquiry Commission, 1927; Member, Punjab University Inquiry Committee 1932-3. Vice-Chancellor, Dacca University and Chairman, Board of Intermediate and Secondary Education, Dacca, 1934. *Ad.* Metcalfe House, Delhi.

RAKSHIT, J. N., F. I. C. (Lond.) Retd. Chemical Examiner to Govt. of India and President Bengal Pharmaceutical Association; *b.* 1888. *ed.*: St. Xavier's College, Calcutta; did research work under Sir P. C. Roy, at Presidency College, and Prof. J. C. Philip F. R. S. of London University; Served as Asst. Chemical Examiner, Customs and Excise 1913-15: Was then placed in charge of Opium Factory at Ghazipur 1915; Chemical Examiner, Cal. Customs 1924-28. Returned to Opium Factory 1928 and worked there till 1940, the year of his retirement. Has very recently worked out a Biochemical process for the manufacture of lactic acid and lactates for Messrs. Calcutta Chemical Works, Ltd. Has discovered a new process for manufacture of anti-malarial alkaloids

from *Alstonia Scholaris* (Chhatim). *Pub.* A large number of original papers in various Scientific Journals. *Ad.* P-658, Rashbehari Avenue, Ballygunge, Calcutta.

RAMAN, SIR CHANDRASEKHAR VENKATA, Kt., M.A., LL. D., D. Sc., F.R.S., N.L.; distinguished Physicist, *b.* 1888 at Trichinopoly, *ed.* Madras. Entered Finance Department, India Government, 1907. Appointed Palit Professor of Physics, Calcutta University, 1917. Discovered in 1928 a new optical effect named after him (Raman Effect), a valuable contribution to the solution of the problem of molecular structure. Knighted in 1929, he won the Nobel Prize in Physics in 1930 and was made a Fellow of the Royal Society. He has lectured in many parts of the world and received many honours from scientific bodies. At present Professor of Physics at the Indian Institute of Science, Bangalore, of which he was the Director for some time. Is the Founder-President of the Indian Academy of Sciences. Conferred honorary membership of the Physical Society of China (Oct, 1942) in recognition of his eminence in Science. *Pub.* *Molecular Diffraction of Light* and a large number of papers in scientific journals. *Ad.* Indian Institute of Science, Bangalore.

TRANGASWAMI, AYYANGAR, RAO BAHADUR, G. N., B.A., I. A. S., F. N. I., Principal, Agricultural College, Millets Specialist and Geneticist, Agricultural Research Institute, Coimbatore (Retd.) *b.* May 19, 1887, *ed.* Presidency College, Madras; joined Agricultural Department, 1912 promoted to Indian Agricultural Service, 1921; started Millets Breeding Station, October 1923; President Agricultural Section, Indian Science Congress, 1932. Foundation Fellow, National Institute of Sciences of India, Calcutta; and of Indian Academy of Sciences, Bangalore;

Awarded the Coronation Medal, 1937, the Brahl Medal (1941) for outstanding Botanical research by the Royal Asiatic Society of Bengal Editorial cooperator, *Current Science & Science Culture.* *Ad.* R. S. Purani, P. O. Coimbatore, S. I.

RAU, SIR B. NARSING, B.A., C.I.E., I. C. S., Kt., *b.* 1887, *ed.* Madras and Cambridge. Joined I. C. S., 1910. Became Dist. and Sessions Judge, Murshidabad, and then of Sylhet 1920-25. Was Secy. to Govt. of Assam and Jt. Secy., Govt. of India; later helped in revision of the Indian Statute Book. Judge, Cal. High Court since 1939. *Ad.* Calcutta Club, 241, Lower Circular Road, Calcutta.

RAU, DR. UDIPI RAMA, *b.* 17 September 1874, Medical Practitioner; was Councillor, Corporation of Madras; was member, Madras Legislative Council; Member, Council of State, resigned in 1930 in obedience to Congress mandate; was member, Madras; Medical Council and its Vice-President; was an Honorary Presidency Magistrate; was member of Senate of the Madras University; President of the Indian Medical Association, 1935; Editor of *The Antiseptic and Health*. Organised Congress Hospital in Madras during the civil disobedience movement, 1930; elected to the Madras Legislative Council under the Congress ticket, 1937; elected President of the Madras Legislative Council in July 1937. *Ad.* "Hawarden", 69, Lauder's Gate Road, Vopery, Madras.

RAY, NIHAR-RANJAN, M.A., P.R.S., D. Lett. and Phil. (Leiden), F. L. A., Chief Librarian and Lecturer in Indian Art and Archaeology, Cal. Univ. *b.* 1904. *ed.* Mymensingh, Sylhet and Calcutta; Mout Gold Medalist, Griffith Prizeman; Diploma in Librarianship, London; Secy., Students' Information Bureau, Cal. Univ.; Hony. Secy., Bengal Library Assn.; Hony. Secy., Indian Society

- of Oriental Art, Calcutta ; President, Federation of Indian Students Abroad, Prague Session 1936, Bengal Library Confee., Midnapur Session 1938 ; Adhar Mukherji Lecturer in Indian History, Bangiya Sahitya Parishad 1941. *Pub. Brahmaical Gods in Burma ; Sanskrit Buddhism in Burma ; History of Theravada Buddhism in India ; Harsha : A revised study ; Art of Pagan Burma ; Art of Bengal ; Rabindra Sahityer Bhumiika* (Beng.) ; *Bangalur Itihas* (Beng.) etc. *Ad.* Central Library, the University, Calcutta.
- RAY, SIR PROFULLA CHANDRA**, D.Sc., Ph.D., C.I.E., Kt., b. 1861, *ed.* : Calcutta and Edinburgh. Was Professor of Chemistry, Presidency College : after retirement, became Senior Prof. of Chemistry, University College of Science. Is President, National Council of Education (Jadavpur) ; has founded the Bengal Chemical and Pharmaceutical Works, Calcutta. Is a social reformer and an erudite scholar. Has written monumental work on Hindu Chemistry. Directs certain business concerns. *Ad.* University College of Science, 92, Upper Circular Road, Calcutta.
- RAY, SHIB SHEKHARESWAR KUMAR**, B.A., M.L.A., b. 1887, *ed.* : Benares and Allahabad ; was member of Bengal Legislative Council and Assembly ; was first elected President, Bengal Legislative Assembly ; Was member, Bengal Executive Council, 1929. Has served on several committees. Is a leader of orthodox Hindus and owns big zemindary in Bengal. *Ad.* 1/2, Hindusthan Road, Ballygunge, Calcutta.
- RAZA ALI, SIR SYED**, B.A., LL. B., C.B.E., Kt., b. 1882. *ed.* : Aligarh ; joined Moradabad Bar, 1903. Was elected to U. P. Legislative Council. Was a Swarajist and Khilafatist at first ; is now member of Moslem League. Member, Govt. of India's Deputation to South Africa, 1925-26. Was Agent to Govt. of India in South Africa, 1935-38. Member, Central Assembly. Has written on Moslem problems, etc. *Ad.* "Baza Lodge", Civil Lines, Moradabad.
- REDDY, C. RAMALINGA, M.A.**, Hon. D. Litt., Vice-Chancellor, Andhra University, b. 1880, *ed.* : Cambridge. Foundation Scholar, St. John's College ; Vice-President of Cambridge Union Society, 1905, being the first Indian to be elected to office in that Society. Was Vice-Principal, Baroda College ; Principal, Maharaja's College, Mysore ; Inspector-General of Education, Mysore ; Member, All-India Advisory board of Education ; organized United Nationalist Party, 1921. Nominated member, Madras Legislative Council, 1937. Took a prominent part in shaping the Madras University and Andhra University Acts ; Chairman, Inter-University Board, India 1937-38 ; Has written on political economy, etc. An eminent scholar and one of the foremost educationists in India. *Ad.* Andhra University, Waltair, (S. I.).
- REID, SIR ROBERT NIEL**, K.C.S.I., K.C.I.E., I.C.S., was Liaison Officer for China, ex-Governor of Assam. b. July 15, 1883, *ed.* : Malvern and Brasenose College, m. Amy Helen Disney 1909. Arrived in India 1907 as Asst. Magistrate, Beng. ; gradually rose to be Member of Executive Council, Bengal, 1934-37.
- REWA**, Ruler of, (See p. 222)
- RICHARDSON, HAROLD BANNING**, M. A., (Hons.) (Cantab.), A. B., Princeton ; Education Minister, Holkar State. b. in Sunninghill, Berkshire, England, Sept. 24, 1910 ; *ed.* : in Canada, the U.S. and Britain. Lecturer in English at St. Stephen's College, Delhi 1935-38, Professor of English at Government College, Lahore in 1938. Principal of Holkar College, Indore, 1940-42. Education Minister Holkar State since April,

1942. Written and edited a number of books and articles including *A Review of Adult Education in India* (in 1939), *Indian Adult Education Handbook*, *India Through English Eyes* and *The Problem of the Will in Hamlet*. Member of the Senate and the Faculty of Arts of Agra University; member the Board of Control of Kashmir Industrial Guilds and of the Holkar State Public Service Commission. Hon. Treasurer, Indian Adult Education Assn. Ad. Tukoganj, Indore.

RIZVI, SAJJAD HUSSAIN, Librarian in Meerut College since 1921, b. May 6, 1899, at Jarcha dist. Bulandshahr, ed; in Urdu, Persian and Arabic at Jarcha and in English at Meerut. Got D. L. Sc. from the Imperial Library, Calcutta in 1937. Founded Shiah Co-operative Society in 1927. Pub. (in Urdu) *Library and its Administration* and *Library Sudhar*. Ad. Meerut College, Meerut.

ROY, B. C., M. D., M. R. C. P., F. R. C. S. (Eng), Vice-Chancellor, Calcutta University. President, All-India Medical Council; ex-Mayor, Corporation of Calcutta. A foremost physician in India, took to politics and ultimately came to be one of the big five that directed Bengal politics for a period. Was Member, Congress Working Committee. Ad. 36, Wellington Street, Calcutta.

ROY, M. N., Founder-leader, Radical Democratic Party; Genl. Secy., Indian Federation of Labour, and National Democratic Union. A Marxist philosopher, mathematician and politician of repute. Figured prominently in revolutionary movements of U. S. A., Mexico, Russia, Germany, France, Spain, China, Turkey and India. Real name is Narendranath Bhattacharya. In Bengal revolutionary movement since 1903; after unsuccessful attempt to overthrow Govt. during last war left for American incognito via Eastern countries 1915; Organised 1st com-

munist Party in the world in Mexico 1917 and led Mexican Revolution with success. Called by Lenin reached Moscow 1919. Member, Presidium of Communist International along with Lenin and Trotsky for 8 yrs. Founder of Eastern Univ., Moscow and in charge of Asiatic countries in International being member of its Secretariat. Served as Plenipotentiary in China from 1927 and later led opposition to colonial policy adopted at 6th World Congress of the Comintern, for which he was placed outside Comintern. Secretly returned to India 1930, arrested and sentenced to 6 yrs.' R. I. on Release, joined Congress and placed a Radical programme of alternative leadership. Broke away from Congress in support of present war against Fascism. Author, original papers and treatises on Mathematics *Pub. India in Transition; Revolution and Counterrevolution in China; Fascism; Russian Revolution; Heresies of 20th Century; Materialism; Our Differences; From Savagery to Civilisation; etc., etc.* besides various tracts and manifestos issued during last 25 yrs. Edits Eng. pol. weekly 'Independent India,' Bombay, and 'Independent India' (Daily), Delhi. Ad. Mohini Road, Dehra Dun.

ROY, MOTILAL, Founder-President, Prabartak Samgha, b. Chander-nagore 1882. ed; privately in literature and philosophy; from boyhood given to religious practices under spiritual teachers. In 1905 flung himself into the Swadeshi Movement and later became one of the leaders of its extreme school. His intimate contact with Sri Aurobindo Ghose from 1910 led to a new turn in his nationalism from revolutionary politics to constructive nation-building on the foundation of spiritual consciousness. Started "Prabartak" 1914. Founded in 1919 the *Prabartak Samgha* which has

now its branches in various parts of Bengal. The *Samgha* conducts the Prabartak College of culture and a network of primary and secondary schools; has started Prabartak Bank Ltd., Prabartak Jute Mills Ltd., Prabartak Furnishers Ltd., and Prabartak Trust Ltd. and a score of other allied economic concerns all over the province. *Pub. Temple of Inspiration* (Eng.); 26 other titles in Bengali dealing with religion and nationalism. *Ad. Prabartak Samgha*, Chandernagore.

ROY CHOUDHURY, KUMAR RAMENDRA NARAYAN, second Kumar of Bhowal in the district of Dacca, Bengal; Figured in the historic Bhowal Sannyasi case, *m. Sm. Dhara Sundari Devi* at Banares in Sravana 1850 B. S.

ROY, SURESH CHANDRA, M. A., B. L., Genl. Manager, Aryasthan Insee. Co., Ltd. Calcutta. *b.* 1902, *ed.*: Calcutta; Insurance training in England. Travelled extensively in Europe. Was Supdt. Hindusthan Co-operative Insee. Society Ltd. for about 5 years. With others founded 1930 Indian Insee. Institute: was first its Genl. Secy.; President 1939-41. Member, Exc. Comte., Bengal National Chamber of Commerce since 1932. Was member, Insee. Law Consultative Comte. (Govt. of India) 1936. Is Chairman, Young Life Offices' Legislation Comte.; Member, Insee. Advisory Comte. set up by Govt. of India, and Insee. Sub-comte. of National Planning Comte. set up by Indian National Congress. Director of several Bengal Jt.-stock Cos. Was on Advisory Boards of E. B. and B. N. Rlys.; Editor, *Insurance World*, Lecturer, Govt. Commercial Institute, Cal.; Actively asscd. with Indian Journalist's Assn. etc. *Ad. Aryasthan Insee. Co. Ltd.* 15, Chittaranjan Avenue, Calcutta.

ROWLAND, FRANCIS GEORGE, B. A., I. C. S. b. 1883, *ed.*: Oxford,

joined I. C. S., 1906; is Judge, Patna High Court. *Ad. Patna.*

ROXBURGH, THOMAS JAMES YOUNG, B. A., C. I. E., Bar-at-Law, I. C. S. Has served in Bengal in various capacities. Is now judge, Calcutta High Court, *Ad. C/o, Lloyds Bank, 37, Chowringhee, Calcutta.*

ROY, SIR SATYENDRA NATH, Kt., (1942) C. S. I. (1938); C.I.E., I.C.S.; Secy. Govt. of India, War Transport Dept. b. Sept. 1888, s. of late Kedar Nath Roy; Dt. & Sessions Judge, Bengal; ed.: Presidency College, Cal., Christ's College, Cambridge. Entered I. C. S., 1913; first posted in Bengal; employed under Defence forces 1918; after holding important post in Bengal Secretariat, became Dy. Chairman Howrah Municipality 1919-20; during 1925-27 was Magistrate and Collector and under-Secy. political Dept.; Member, Legislative Assembly and Dy. Secy. Indian Central Committee, 1928-29; Dy. Secy. Home Dept., Govt. of India, 1931; Addl. Secy. Pol. Dept. Bengal 1933-36; Jt. Secy. Industries & Labour Dept. Govt. of India 1936-37; Secy. Govt. of India, Communication Dept. 1937-42; temporary member, Viceroy's Executive Council, March-April 1942; Nominated to Council of State since 1938. *Ad. New Delhi.*

RUNGANADHAN, SIR, E., Kt., Diwan Bahadur, M. A., L. T., I. E. S. (Retd.) Was Prof. of English, Madras Presidency College; was Vice-Chancellor Annamalai University. Was Adviser to Secy. of State for India. Appointed High Commissioner for India in London in May 1943. Is keenly interested in phonetics and an authority on educational matters. *Ad. India Office, London.*

RUTHERFORD, H. E., SIR THOMAS GEORGE, C. I. E., C. S. I., I. C. S., b. 1886, ed.: London and Edinburgh. Joined I. C. S., 1910. Was Collector and Magistrate; has held important posts in Madras Presidency. Was

- Secy. to Governor, 1938-39; Adviser to the Governor, Madras, 1939-42; Governor of Bihar 1942-48. Appointed Atg. Governor of Bengal, Sept. 1948. *Ad.* Government House, Cal.
- RUTHNASWAMY, MARIADAS, M.A.** C. I. E., K. C. S. G., Bar-at-Law, *b.* 1885, *ed.* Hyderabad and Cambridge. Was Asst. Prof. of English, Baroda College; Principal, Pachaiyappa College, Madras. Was a Municipal Councillor; Member, and President, Legislative Council, Madras, and Central Assembly; member, Madras Public Services Commission, 1930-42; now Vice-Chancellor, Annamalai Univ. Has written on politics and administration. *Ad.* The Lodge, Chidambaram.
- SA'ADULLA, SIR MUHAMMAD SYED, Kt., M. A., B. L.,** *b.* 1886, *ed.* Gauhati and Calcutta: Was Prof. for a time. Then joined Gauhati Bar, and then Calcutta High Court. Was member, Legislative Council, Assam; Minister, Assam Govt. 1924-29; member, Executive Council, Assam 1929-30; Was later Premier of Assam. *Ad.* Shillong, Assam.
- SADANAND, S.,** Managing Director and Managing Editor, *Free Press Journal, Bharat Jyoti, Narshakti*; *b.* 1900; *s.* of C. V. Swaminatha Iyer; Author and Journalist; *m.* Srimati Sagaravati, daughter of E. S. Srinivasa Iyer. Founder of *Free Press of India* (New Agency) and Free Press Group of newspapers. *Ad.* 21, Dalal Street, Bombay 1.
- SAHA, MEGHNAD, F. R. S., D. Sc., F. R. A. S. B., F. N. I.,** *b.* 1893, *ed.* Dacca and Calcutta, and worked at Imperial College Science (Lond.) and Berlin. Was Professor of Physics and Mathematics, Calcutta Univ.; Prof. of Physics, Allahabad Univ. 1923-38; President, National Institute of Science, 1937-38; Indian Science Congress, 1934. Is Palit Prof. of Physics, Calcutta Univ. Has contributed learned papers to scientific journals and written books on the theory of Relativity, Heat, etc. Founder and editor, *Science and Culture*. Is actively connected with the National Planning Committee. Advocates industrialization of India. *Ad.* 12/1, Kayatola Lane, Ballygunge, Cal.
- SAHNI, BIKBAL, M.A., Sc. D., (Cantab.) D. Sc., (Lond.) F. R. S.,** distinguished scientist, *b.* 1891, *s.* of Ruchi Ram Sahni, a well-known educationist of the Punjab, *ed.* Lahore, Munich and Cambridge. At present Professor of Botany and Dean of the Faculty of Science, Lucknow University. Formerly Foundation Scholar of Emmanuel College, Cambridge. One of the Vice-Presidents, Section of Palaeobotany, 5th International Botanical Congress, Cambridge 1930 and 6th Congress, Amsterdam 1935. Hony. Univ. Prof., Benares; General President, Indian Science Congress, Madras 1940; President, National Academy of Sciences, 1937-38, and 1943. Elected to the Royal Society in 1936. *Ad.* University of Lucknow.
- SAIPUDDIN, SAHIB TAHER, SYEDNA, His Holiness, Sirdar, b. 1888. Is a first class sirdar of Deccan and High Priest, Dawoodi Bohra Shia community. His views on social, religious and other matters final and his decisions are binding. *Ad.* Saifi Mahal, Surat.**
- SAKLATVALA, SORABJI DORABJI, b. 1879, *ed.* Bombay. Was Vice-President, Indian Central Cotton Comt. twice. Represents mill-owners in the Bombay Legislative Assembly. Is a Director of Messrs. Tata Sons Ltd. *Ad.* Bombay House, Bruce Street, Bombay.**
- SAKSENA, MOHAN LAL, B. Sc., LL. B., b. 1896, *ed.* Lucknow and Allahabad; was member, Swaraj Party; General Secretary, U. P. Congress member, Indian Legislative Assembly, 1935. *Ad.* Aminuddowlah Park, Lucknow.**

SAMBAMURTI, SRI B., B. A., B. L., b. 1886, *ed* : Madras. Was at Bar. 1911-20 ; President, Andhra Congress 1926 ; joined the non-co-operation movement, 1921. Left Bar, organized volunteer training camps. Was President, *Hindustan Seva Dal* and member, Congress Working Committee. Has been jailed several times. Is Speaker, Madras Legislative Assembly. *Ad.* 91, Verrabadram Street, Royapetta High Road, Mysapore, Madras.

SAMPURNANAND, SHRI, B. Sc., L. T., b. 1891, *ed* : Benares and Allahabad. Started life as teacher, was Head master, Bikaner Dugar College ; Prof. Kashi Vidyapith ; Member, A. I. C. C. : was President, 2nd. All-India Socialist Conference, Bombay. ex-Minister of Education, U. P. Has written on politics, history, etc. *Ad.* Jalipadevi, Benares.

SANGLI, Ruler of, (Sec p. 223)

SANJIVA ROW, KODIKAL, M. A., C.I.F., Member, Federal Public Service Commission. b. 1890, *ed* : Madras. Joined Govt. service 1914. Became Supdt. Finance Dept. ; Asst. Secy. Govt. of India, transferred to Indian Audit and Accounts Dept. ; Deputy Secy., Govt. of India, 1936 ; Joint Secy. 1937-40. Ex-member, Central Assembly. *Ad.* New Delhi.

SAPRU, Rt. Hon. SIR TEJ BAHADUR, M.A., D.C.L., LL.D., D.Litt., P.C., K.C.S.I., b. 1875, *ed* : Agra and Allahabad. Joined Allahabad High Court Bar, 1896 ; was member, U. P. Council and of Imperial Legislative Council ; member A.I.C.C., 1906-17. Presided over Political Conf. (U. P.) 1914 ; Social Conf. (U.P.) 1913 ; Liberal League (U. P.) 1918. Was Fellow, Allahabad University. Is Syndic, Benares Hindu University. Delegate to 3 Round Table Conferences. Presided over the United Provinces Unemployment Committee. Was Law Member, Viceroy's Executive Council. Is a leading politi-

cian. Is trying for a solution of the present constitutional deadlock. Presided over the Leaders' Conference in March 1941 held at Bombay. Has written on law, politics, unemployment etc. *Ad.* 19, Albert Road, Allahabad.

SARAF CHOUTHMAL, B.Com., B.L., Political Secretary, All-India Marwari Federation ; and President, Commercial Taxes Bar Association, Calcutta. b. 1911 in Bogra (Bengal), *ed* : Calcutta ; enrolled as an Advocate, Calcutta High Court, 1935 ; at present practising as Income tax Consultant and Lawyer. Was Secretary Marwari Students' Union, Calcutta. Is President, All-India Marwari Federation (Calcutta Branch) ; member, Edn Committee, All-India Marwari Federation ; is director of several limited Companies *Ad.* 62, Nalini Sett Road, Calcutta.

SARAN, MUNSHI ISWAR, B.A., b. 1874, *ed* : Allahabad. Advocate High Court, Allahabad. Was President, Kayastha Pathshala, Allahabad ; President of U. P. Political and Social Conferences and of Allahabad Harijan Sevak Sangha ; Member A.I.C.C., for a time ; ex-M.L.A. Has travelled widely. *Ad.* 6, Edmondstone Road, Allahabad.

SARDA, DIWAN BAHADUR HAR BILAS, M.R.A.S., F. S. S. b. June 3, 1867. *ed* : Ajmer and Agra ; Senior Master in Govt. College, Ajmer 1889 ; Guardian and Tutor to H. H. the Maharawal of Jaisalmer ; Was in Indian Judicial service from 1902 to 1923 ; Senior Judge, Chief Court, Jodhpur, 1925 ; elected member of the Imperial Legislative Assembly 1924, re-elected 1927 and 1930 ; Author of the Child Marriage Restraint Act, known as the *Sarda Act*. Was President of the Indian National Social Conference, Lahore Session 1929 and of All-India Vaish Conference, Bareilly 1925. *Pub. Hindu Superiority, Ajmer, Historical and Descriptive ; Maharana*

Kumbha; Maharana Sanga; Hamir of Ranthambhor, Speeches and Writings, etc. Ad. Har Niwas, Civil Lines, Ajmer.

SARKAR, SIR JADUNATH, D. Litt., Kt., C. I. E., I. E. S., (Retd.) Hony. M.R.A.S. (Eng) an eminent historian, b. 1870, ed : Calcutta. Started life as Professor. Has been connected with Calcutta, Benares and Patna Universities. Was Vice-Chancellor, Calcutta University, 1926-28. *Pub. History of Aurangzeb, Economics of British India, Fall of Moghul Empire; Shiwaji, etc.* Ad. 255, Lansdowne Road Extension, Calcutta.

SARKER, NALINI RANJAN, Member, Viceroy's Executive Council till Feby. 1943, (Commerce); ex-Finance Minister, Bengal. b. Sajhura in Mymensingh (Bengal). Ex-Member, Bengal Legislative Assembly; Ex-General Manager and Director President, Hindusthan Co-operative Insurance Society Ltd., Calcutta: formerly President to Treasurer, Federation of Indian Chambers of Commerce & Industry; non-official Adviser, Indo-Burma Trade Negotiation 1941; Chairman, Unemployment Sub-committee of the Board of Economic Enquiry, Bengal; Member of the Court, Dacca Univ.; ex-President, Bengal National Chamber of Commerce; Commissioner, Calcutta Port; ex-Mayor of Calcutta 1934-35; Fellow, Calcutta University; 1933-34; Trustee, Chittaranjan Seva Sadan; President, Indian Institute of Economics; was a member of the Central Banking Committee, Railway Retrenchment Committee and the Consultative Committee of the Government of India for revision of Company Law, 1935; non-official Delegate to the Indo-Japanese Trade Negotiations, 1933; formerly Secretary & Chief Whip, Swarajya Party; Director of several industrial and financial concerns, and was Pro-Chancellor, Delhi University. *Pub.*

Large number of tracts on current economic and financial problems. Ad. "Ranjani", 287, Lower Circular Road, Calcutta.

SARMA, SIR RAMASWAMI SRINIVASA, Kt., C. I. E., b. 1890; started as journalist, Calcutta; was chief editor of the *Bengali and New Empire*; was with *Associated Press and Reuter*. Has founded *The Whip* (weekly), Calcutta. Ad. Kali Koti, Mavoor P. O., Dt. Tanjore.

SASTRI, P. S. SUBRAHMANYA, M. A., Ph. D., Vidyaratna, Professor of Sanskrit, Annamalai University; Principal, Raja's College of Sanskrit and Tamil Studies, Tiruvadi 1932-42 b. 1890, ed : S. P. G. College; Ph. D. in 1930 in Tamil; was Professor of Oriental Studies, Bishop-Heber College, Trichinopoly; Asst. Editor, Tamil Lexicon, Univ. of Madras. *Pub. History of Grammatical Theories in Tamil, Tamil Language, Collatikarakuruppu* Eng. Commentaries on *Tolkappiyam-Eluttatikaram* and *Collatikaram*, *Kurippurai to Tolkappiyam-Eluttatikaram Dhvanyaloka* in Tamil, Lectures on Patanjali's Mahabhashya Vol. I. etc. Annamalaiagar, S. Arcot Dt., S. India.

SASTRI, RIGHT Hon. V. S. SRINIVASA, B. A., P. C., C. H. b. 1869, ed; Kumbakonam. Began as teacher; became member of Servants of India Society; and President, 1915-27. Was member of Madras Council, and of Imperial Legislative Council; was member, Southborough Committee; delegate, Imperial Conference, and Washington Conference. Elected member, Council of State. Made Privy Councillor and Freeman of the City of London, 1921; was High Commissioner for India in South Africa, 1927-29. Is Vice-Chancellor, Annamalai Univ. since 1935. Is a Liberal in politics. Ad. "Svagatam," Mylapore, Madras.

SASTRI, S. R., B. O. L., Lecturer in

- Hindi, Women's Christian College, Madras and City Organiser, Hindi Prachar Sabha, Madras; *b.* 1905, in Tanjore District, *ed.*: at Raja's College, Tiruvadi, (Tanjore). Passed "Visharad" Degree of Hindi Sahitya Sammelan, Allahabad. Member of Board of Studies in Hindi, Madras University and of Executive Council, Hindi Prachar Sabha; has passed B. O. L., of Madras Univ. in First Class. Joined Hindi Prachar Sabha, Madras, 1926 and worked in Kumbakonam for 8 years. Came to Madras in 1935. *Pub.* *A Guide to Hindi Hindustani*, in Roman and Nagri Scripts (English Medium), *Hindustani Grammar for Middle Schools*, *Hindi Grammar for High School and Colleges*.
- SAVARKAR, VINAYAK DAMODAR, Bar-at-Law, President, Hindu Mahasabha since 1937 to 1942, *b.* 1888. *ed.*: Poona and London. Has been a political convict and has suffered transportation for 14 years and later internment. Released in 1937 and since then has been in the forefront of Hindu Mahasabha movement, having presided over the annual sessions at Ahmedabad (1937); Nagpur (1938); Calcutta (1939); Madras (1940); Bhagalpur (1941) and Cawnpore (1942). Foremost Marathi Poet, author of English books, *Hindu-Pact-Patshahi* and *Hindutva* and several Marathi works. Presided over Maharashtra Library Conference. *Ad.* Bombay 28.
- SCHOFIELD, ALFRED, B. Sc., (Econ). H. M.'s Trade Commissioner at Calcutta. *b.* 1889, *ed.*: Manchester and London University; was in business for a time. Saw war service in France (1915-18). Formerly Lecturer on Economics, subsequently in Board of Inland Revenue, London and later appointed to Dept. of Overseas Trade. *Pub.* *Routine of Commerce, etc.* *Ad.* Bengal Club, Calcutta.
- SCOTT, JOHN GORDON CAMERON, M. A., *b.* 1888, *ed.*: Cambridge. Appointed I.E.S., 1912; Was Master, Daly College, Indore; is Principal, Prince of Wales's Royal Indian Military College, Dehra Dun. *Ad.* Prince of Wales' R. I. M. College, Dehra Dun.
- SEN, SIRDAR, D. K., M.A., B.C.L., LL.B., Bar-at-Law, *b.* 1897, *ed.*: Lahore, Oxford and London. Was legal Adviser, Patiala and to delegation of Chamber of Princes in England 1926-27. Chief Minister, Mandi State. Is now Foreign and Education Minister, Patiala. *Ad.* Patiala.
- SEN, Mrs. HANNAH, B.A., (Hons.), B.L. (1st. Class), Cal. University, Teachers' Diploma, London. Since 1932 has been Directress of the Lady Irwin College, New Delhi. Is deeply interested in educational problems and women's activities. She is the Member for Education and the Vice-President of the All-India Women's Conference and is also a member of the Central Maternity and Child Welfare Bureau, Central Committee of the Tuberculosis Association of India and the Advisory Committee for Educational Broadcast of the All-India Radio. *Pub.* "The section on Education in our Cause." *Ad.* Lady Irwin College, Sikandra Road, New Delhi.
- SEN, JITENDRA MOHAN, B. Sc. (Cal.), M. Ed. (Leeds), Dip. Ed. (Oxford), Teacher's Diploma (London) F. R. G. S. (London), Fellow, National Institute of Sciences of India and National Academy of Sciences of India, Bengal Senior Educational Service, *b.* April, 1892. Head Master, Koshub Academy, 1916-1919; Professor of Psychology, David Hare Training College 1923-26; Inspector of Schools and Asst. Director of Public Instruction, Bengal, 1927-36; Principal, David Hare Training College, early part of 1937; Principal, Krishnagar College, since the middle of 1937. Member,

- Legislative Council, Bengal 1929 and 1930; Member, Education Committee, Corporation of Calcutta, 1924-32 and 1935-37; Member of the International Committee on Illiteracy of the World Association for Adult Education, 1931-32; and Inspector of Reformatory and Industrial schools under the Bengal Children's Act, 1928-37. President, Psychological Section of the Indian Science Congress, 1936; Member of the Senate, Calcutta University, since 1935; President Indian Psychological Association since 1942. *Pub. History of Elementary Education in India* 1933 and 1941; *The League of Nations* 1926; *Primary Education Acts in India—A Study*, 1925 and numerous papers on educational, psychological and sociological subjects. *Ad.* Krishnagar, Bengal.
- SEN, KSHITIMOHAN, SHASTRI, M.A. Principal, Vidyabhavan (Post graduate and Research Dept.), Viswabharati, Santiniketan. *b.* 1880, *ed*: Benares *to*ls and Queen's College, Benares. Travelled all over India enjoying, whenever possible, the company of saints and sadhus and collecting songs and lives of mediaeval mystics and of Aools and Bools of Bengal. At Rabindranath Tagore's call joined his Santiniketan 1908 foregoing lucrative post in Education Dept. Greatly contributed to the oriental character of the poet's season-festivals at Santiniketan. Master of Bengali, Sanskrit, Hindi, Pali, Gujarati, English, Tibetan and other languages. *Pub. Kalra*, 4 vols: *Bharatiya Sadhanar Dhara*; *Bharat varsha me Jutbbhd* (Hindi); *Chin Japan no Probas* (Gujrati). *Ad.* Viswabharati, Santiniketan (Birbhum).
- SEN, KSHITISH CHANDRA, B. A., *b.* 1888, *ed*: Calcutta and Cambridge, joined I. C. S., Bombay Presidency, 1931; was Asst. Collector, Asst. Judge, Asst. Legal Remembrancer, Deputy Secy., Legal Dept.; Dt. and Sessions Judge; Registrar, Bombay High Court; and later Judge of same 1939. *Ad.* Crismill, Malabar Hill, Bombay.
- SEN, SUKUMAR, M. A., P. R. S., Ph. D., Lecturer in Comparative Philology and Sanskrit, Calcutta Univ. *b.* 1900, *ed*: Burdwan and Calcutta; Griffith Prizeman (thrice), Ashutosh Mukerji Medalist (twice), Hony. Secy., Linguistic Society of India. *Pub. Use of the Cases in Vedic Prose: A History of Brajabin Literature; Old Persian Inscriptions of the Achaemenian Emperors; Bangala Sahityer Itihas*; etc. *Ad.* 27, Goabagan Lane, Cal., and Grand Trunk Road, Burdwan.
- SEN, SUSIL CHANDRA, M.Sc., LL.B., C. B. E., *ed*: Calcutta. Is Solicitor to Govt. of India at Calcutta. Helped Govt. of India in framing Indian Companies Act and Indian Insurance Act. Was member, Indian Legislative Assembly, and Council of State for some time. Is Solicitor and Advocate, High Court, Cal. *Ad.* 30, Nandan Rd., Bhowanipore, Cal.
- SEN, USHA NATH, C. B. E., *b.* 1880, *ed*: Calcutta. Is a well-known journalist. Is Director and Managing Editor of the *Associated Press of India*. *Ad.* 4, Parliament Street, New Delhi.
- SEN GUPTA, B., President, Indian Journalists' Association; Member, Standing Committee, All-India Editor's Conference and Managing Director and founder of the *United Press of India*. *b.* 1889, in a village of Tipperah (Bengal). *ed*: Calcutta University M. A. Sub-editor, *The Bengali*; chief sub-editor, *The Indian Daily News* (1919); news-editor, *The Servant* and latterly the driving force behind the paper. Helped Mr. Sadananda in organising the *Free Press*, and when it ceased its operation as a news agency Mr. Sen Gupta founded the *United Press* on Sept., 1, 1933. *Ad.* P. 4, Ganesh Chunder Avenue, Calcutta.

SETALVAD, SIR CHIMANLAL HARILAL, Kt., K.C.I.E., LL.D., b. 1866, *ed*: Bombay, started as pleader, High Court, Bombay. Was member, Hunter and Southborough Committees, and of Executive Council, Bombay Government; and Vice-Chancellor, Bombay University, 1917-20; is a Liberal in politics. *Ad.* Setalvad Road, Malabar Hill, Bombay.

SHADI LAL, SIR, M.A., B.C. L., LL. D., Kt, Bar-at-Law, b. 1874, *ed*: Lahore, Oxford and London. Joined Bar 1899. Permanent Judge, Lahore High Court, 1919. Is the first Indian to be made a permanent Chief Justice of an Indian High Court. Was member, Privy Council, London. Is Fellow, Punjab University. Has written on law. *Ad.* 2, Bhagwandas Road, New Delhi.

SHAH, THE HON'BLE SAYED MIRAN MUHAMMAD, B. A., LL. B., (Bombay) Speaker, Sind Legislative Assembly, b. 19th March 1898. *ed*: Sind Madressah, Karachi; D. J. Sind College, Karachi, and Government Law College, Bombay. Was Chairman, District School Board, Hyderabad and President, District Local Board, Hyderabad. President, Provincial Co-operative Institute, Sind. Is Fellow, Univ. of Bombay; Member, National Defence Council; Leader, National War Front, Hyderabad (Sind). Has been Chairman of several Committees, specially Sind University Committee. *Ad.* 58, Cantonment, Hyderabad, (Sind)

SHAHAB-UD-DIN, CHAUDHURI SIR, B. A., LL. B., Kt., Khan Bahadur, *ed*: Lahore. Was President, Lahore Municipal Committee: Member of Legislative Assembly, Punjab, for years and now its speaker. Is also Advocate, High Court, Lahore. *Pub.* *The Criminal Law Journal of India*, etc. *Ad.* 3, Durand Road, Lahore.

SHANKAR, UADY, A. R. C. A.,

dancer of world repute and chief exponent of ancient Indian dancing cult. b. 1900, *ed*: Royal College of Arts, London, (graduated with Hons) Joined Anna Pavlova as partner for Indian ballets created by him and toured with her giving displays throughout Europe and America. Started independently in 1925 and achieved success and fame in Europe as an Indian dancer of exceptional merit. Returned to India 1980, toured this country extensively and formed a company of his own with a purely Oriental colourful Indian Orchestra, and created an unprecedented name in India, Europe and America. In 1999 founded the Uday Shankar India Culture at Almora with the help of individuals, princes and the Governments. It provides courses in the Arts in a new method based on India's cultural, spiritual and artistic heritage and has attracted students from all over the India. Shankar is also working on bringing out a full length educational film from the Centre *Ad.* U. S. I. C. Centre, Almora, U. P.

SHARMA, K. N., BHISAG BHUSAN, Prof M Sc., Hons., Botanist to the Govt of Nepal. b. 29th Nov. 1906, Maymyo, Burma. s of Late Subedar Ganga Lal, m. Sm. Jamuna Devi. *ed*: Govt. English High School, Maymyo; Judson College University of Rangoon. Recipient of Ora Newel Rice gold medal in Chemistry, Gold Medal of the Royal Horticultural Society; took active part in relief work during the last great earthquake, interested in rural uplift work, and exports crude drugs. Carries on research in Botany and Parasitology as recreation *Ad.* 78, Tavhaal, Katmandu, Nepal

SHASTRI, SHANKAR, Daivajnamukatalankar, Pandit Jyotirmartand. astrologer, astronomer and landlord. b. Dec. 19, 1884, m. Annapurnabai. *ed*: Hosritti. *Pub.* *Bhamini Deepa*

- Kalachandrika, Tajakasara* etc., in Sanskrit relating to astrology and astronomy, Author of Indian Calendar Reform published in *What India Thinks* by C. Roberts of Calcutta, and of History of Canopus and Ursa Major in English. *Ad.* Haveri, Dharwar District, Bombay.
- SHASTRI, PRABHU DUTT, M. A., B. Sc., B. T., Ph. D., M. O. L. Litt. Hum., Vidyasagar, Sastravachaspati, I. E. S., Prof. Presidency College Calcutta since 1912, was Principal, Hooghly College, Rajshahi College, and David Hare Training College, Calcutta. *b.* 1885, *ed.* : Lahore, Oxford, Paris and Bonn. Was delegate to International Congress of Philosophy, Bologna; has lectured at Rome, Geneva, Harvard, Yale, Cornell, Toronto, etc. Has written on philosophy, education and social subjects. *Ad.* 4, Multan Road, Lahore.
- SHARMA, P. D., B.A. (Hons.), LL.B., Editor *United Press of India*, Delhi and Simla. *b.* 24th March 1904, s. of Pandit Bhagwan Das of Emina-bad, dist. Gujranwala. *m.* Ram Kumari, 1930. *ed.* : Lahore, joined 1921 non-co-operation movement; Asst. Editor, *Hindustan Times* 1927-32; Editor, *Free Press of India* 1933-35; Editor, *United Press* since 1935, special correspondent *United Press of America*, *British United Press*, *Hindustan Standard* (Calcutta), *Indian Express* (Madras), *Free Press Journal* (Bombay) etc. etc. Visited Europe 1938, Japan, China, Malaya, Burma, Siam, Sumatra etc., 1939; elected Member, Simla Municipal Committee since 1936. *Ad.* 21, Narindra Place, New Delhi.
- SETH, AMRITLAL D., *b.* in 1891, Limbdi, Kathiawar. High Court Vakil. Founder and Editor *Saurashtra*, Ranpur. Founder and General Secretary, All-India States Peoples' Conference (1926-86), M.L.C. (1926-30), Mg. Editor of three prominent Vernacular Bombay dailies *Janmabhoomi*, *Lokamanya* and *Nootan Gujrat* : President, Indian Languages Newspapers Association. Member, Standing Committee, All-India Newspaper Editors' Conference. *Ad.* 188, Medows St. Bombay
- SIDDIQI, ABDUR RAHAMAN, Editor, *Morning News*, Calcutta. *b.* Bombay 1887. *ed.* : Ahmedabad and Aligarh, graduating from the latter University in 1907; came to Cal. as assistant of late Maulana Mahomed Ali for editing *Comrade*, joined Dr. Ansari's medical mission to Turkey during Balkan War in 1912; on his return took M. A. degree from Aligarh Univ. and then joined Wadham College, Oxford. Was called to the Bar, 1922, started business in England, returned to Calcutta. Has visited Near East several times and led the Indian Moslem Delegation to the World Moslem Congress at Cairo in 1938, now a member of the Working Committee of the All-India Moslem League. Was Mayor of Cal. (1940).
- SIKKIM, Ruler of, (See p. 228).
- SINGH, DURGA NARAYAN, Major, Raja of Tirwa, *b.* 1896, *ed.* : Major College. Is a landlord of U.P. Was President, Hindu Mahasabha, A. I. Sudhi Sabha, Kshattriya Sabha (U.P.), Provincial Social Conference, Depressed Classes Confc., Member, U.P. Liberal League; Minister, U.P. Govt.; Joined army, became Major, 1936. Has travelled widely. *Ad.* Tirwa, Farrukhabad (U.P.).
- SINGH, GAYA PRASAD, B.L., Pleader Muzaffarpur (Bihar), *ed.* : Muzaffarpur, Patna and Calcutta, was a Deputy Magistrate and Collector but later joined the Bar; was Member, Indian Legislative Assembly 1924-34; Founder-Member of the Aero-Club of India and Burma, a Member of the Empire Parliamentary Association; a Member of the Governing Body of the Indian School of Mines, Dhanbad and G. B. B. College, Muzaffarpur. Presided over many Conferences in India and Burma. *Pub. Khaddar*

- (Name protection) *Act 1934*, passed by the Central Legislature, *Pictorial Kashmir. Ad.* Muzaffarpur (Bihar).
- SINGH, MAHARAJ, RAJA SIR, M.A., C.I.E., Kt., Bar-at-Law, b. 1878, ed : Harrow, Oxford, London. Joined Govt service 1904; Magistrate and Collector, Secy. to U. P. Govt.; Commissioner, Allahabad and Benares Chief Minister, Jodhpur State, 1931. Agent-General to the Govt. of India in South Africa; Home Member, U. P. Govt. 1935-37. Vice-Chancellor, Lucknow Univ. 1941. Is member, Legislative Assembly, U. P. since 1937. Has issued reports on position of Indians in several British colonies. *Ad.* Lucknow.**
- SINGHANIA, SIR PADAMPAT, Kt., M. L. A., b. 1905.** Governing Director, Juggilal Kamlapat Group of Mills, Cawnpore. Knighted on the 1st. Jan'48. A great pioneer of Textile, Jute, Sugar, Hosiery and Oil Industries and an ardent believer in the industrial prospects of U. P. and of the whole country. His latest acquisitions are Steel, Cardboard, Plywood and Plastic Product Industries, Gas plant, Food products, etc. Is a great philanthropist and public worker and helps several social, educational, literary, and political associations. Has founded Merchants' Chamber of Commerce, U.P.; Ex-President, All-India Federation of the Indian Chambers of Commerce, All-India Marwari Federation and All-India Vaish Mahasabha : Chairman, U. P. Industrial Financing Corpn. *Ad.* Kamla Tower, Cawnpore.
- SINGH ROY, BIJOY PRASAD, SIR M.A., B.L., Kt. b. 1894, ed : Calcutta, Was member, Calcutta Volunteer Rifles and secured King's Commission as 2nd Lieutenant. Joined Calcutta High Court Bar, 1924; was Councillor, Calcutta Municipal Corporation; Trustee Calcutta Improvement Trust, Vice-President, British Indian Association; Revenue Minister, Bengal, from 1937 to Dec. 1941. *Ad.* 15, Lansdowne Road, Calcutta.**
- SINHA, ANUGRAH NARAYAN, M. A., B.L., b. 1889, ed : Patna and Calcutta. Joined Patna Bar. Was General Secy. Bihar Congress Committee for many years; was member of Council of State and of Central Assembly. Became member, Bihar Legislative Assembly, and later, Finance Minister, Bihar Govt. *Ad.* Poiawan, Aurangabad, Gaya.**
- SINHA, LORD AROON KUMAR, 2nd Baron of Raipur, Bar-at-Law, b. 1887, ed : London. Takes great interest in social matters. Is a Liberal in politics and is keen on raising a Bengal army for defence. *Ad.* 7, Lord Sinha Road, Calcutta.**
- SINHA, BHUPENDRA NARAYAN, Raja Bahadur, B.A., M.L.C., of Nashipur. b. 1888, ed : Calcutta. Was Minister, Bengal Government, 1928-29. Is an elected member of Bengal Legislative Council since 1926 and the Leader of the Progressive Party in the present Council. Vice-President, Parliamentary Association. Was President, British Indian Assn. and a Trustee of the Indian Museum. President, Indian Art School; Ballygunge Girl's College, etc. Is prominently connected with various bodies in Bengal; Is connected as Director or Patron with some Coal, Sugar and Insurance concerns. Was member, E. B. Rly. Local Advisory Comtee., Royal Statutory Commission and Bengal Board of Censors. *Ad.* 54, Gariahat Road, Ballygunge, Calcutta.**
- SINHA, KUMAR GANGANAND, M. A., M. L. C., of Srinagar Raj. b. Sept., 1898, ed : Monghyr, Purnea, Calcutta. **M. L. A., 1924-30.** Joined the Swarajya Party in the Assembly 1925; elected, Secretary of the Congress Party in the Assembly, 1928. Elected M. L. C. (Bihar) in 1937. District Commissioner for Darbhanga of the Boys Scout Association from 1937; Member, Bihar Sanskrit Convocation and of**

- its Council from 1937; Dy. Leader of the Coalition Party in the Bihar Legislative Council from 1937; Commissioner, Purnea Municipality; Member, Purnea Dist. Board, 1924-27; President, Bihar Prov. Hindu Sabha; Vice-President All-India Hindu Mahasabha (1942); Leader, National War Front, Darbhanga District; Member Bihar Prov. War Committee. Visited Europe 1930-31. *Pub.* "The Place of Videha in the Ancient and the Mediaeval India", "Discovery of Bengali Dramas in Nepal" etc. An Editor of the Barhut Inscriptions in 1926. *Ad.* "Srinagar Darbar", Srinagar, Dt. Purnea, (Bihar), and "Sachiva Sadan" Darbhanga.
- SINHA, SACHCHIDANANDA**, Bar-at-Law. D. Litt. b. 1871, *ed.*: Calcutta, Patna, London. Joined Calcutta High Court 1898, and Patna High Court, 1916. Is Vice-Chancellor of Patna University. Was Member, Central Assembly, and Finance Member, Bihar and Orissa Executive Council, 1921-26. Has founded and edits *Hindustan Review*. Has delivered convocation addresses. Is a keen political worker and educationist. Author of *Kashmir, The Playground of Asia*. *Ad.* Sinha Library Road, Patna.
- SINHA, SACHINDRA NATH**, M. A., Assistant Controller, Govt. of India Stationery Office, Calcutta. b. Ghatal (Midnapore) 1889. Joined as Chemist in the Customs and Excise Laboratory, Govt. of India in 1918. Conducted researches and published papers. Store Examiner of Stationery Govt. of India in 1918. Established well-equipped laboratory and initiated many improved methods of examination of paper and stationery. Specialist in Paper Testing. Assistant Controller 1934. Officiated as Deputy Controller in 1939 and 1942. King's Silver Jubilee Medal 1935. Vice-President, Institution of Chemists (India) and Sir Gooroodas Institute.
- Went to England and the continent to acquire first-hand knowledge in paper Technology. Has done much in effecting improvement of quality of Indian made paper. *Pub.* "Durability of paper, ink and binding materials". *Ad.* 16/1, Shastitala Rd., Narikeldanga, Calcutta.
- SINHA, SHRI KRISHNA**, M. L. A., Congress Premier of Bihar 1937-41; b. 1888. *ed.*: Patna, Joined Bar, 1915. Came to lead the Swaraj Party, Bihar and Orissa, 1927, after having given up practice in 1921. Was in the Central Assembly for a time, and was Chairman, Monghyr District Board. Has suffered imprisonment. *Ad.* Maur, Barabigha (Monghyr).
- SIQUEIRA, T. N.**, S. J., b. Bombay Feb. 19, 1899, *ed.*: Bombay and Madras Universities, M. A., Joined Society of Jesus 1919 for the Vice-province of Madura, has spent eight years in teaching English at St. Joseph's College, Trichinopoly. At present Rector and Principal, St. Xavier's College, Palamcottah; was for some time editor of *The New Review*, Calcutta. *Pub.* The Education of India, and numerous articles in journals such as *Anthropos* (Vienna), *The Month* (London) *Teaching* (Bombay), *Ad.* St. Xavier's College, Palamcottah.
- SIRCAR, SIR NRIPENDRA NATH**, M. A., B. L., K. C. S. I., Bar-at-Law, b. 1876. *ed.*: Calcutta and London. Started practice in Bihar, next joined Govt. service. Left after 8 years. Went to England and returned as Barrister. Joined Calcutta High Court, where he built up a unique practice. Became Advocate-General, Bengal, 1929-34; Law Member, Govt. of India, 1934-39. Was delegate to R. T. Conference. Takes interest in Hindu Mahasabha movement. Was a prominent figure at the Leaders' Conference at Bombay in March, 1941. *Ad.* 36/1, Elgin Road, Cal.
- SIRMOOR**, Ruler of H. H. Lt. Maharaja Rajendra Prakash Bahadur, b.

1912. *ed* : privately, ascended *gaddi* 1933. The Raj is a collateral branch of the house of Bhati Rajputs of Jaisalmer. The Maharaja has introduced many reforms in his State, has set up a Council of State; created a High Court, and a Rural Development Board, for helping development of banking, marketing, education, industries, etc. Schools, Dispensaries and Co-operative Societies have been established by His Highness. All the resources of the State have been placed by His Highness at the disposal of H. M. in the present war.
- SMITH, SIR THOMAS, Kt. *b.* 1875. A well known business magnate of Upper India. Was President, Upper India Chamber of Commerce, member U. P. Legislative Council. Fellow, Allahabad University; Mg. Director, Cawnpore Muir Mills. Went to Geneva 1925, as Employers' representative to I. L. Conference. *Ad.* Westfield, Cawnpore.
- SMITH-PEARSE, THOMAS LAWRENCE HART, M.A., I.E.S., *b.* 1893. *ed* : Marlborough and Oxford; joined I. E. S.; Was Chairman Indian Public Schools Conference, 1939-40; is Principal, Rajkumar College, Raipur. *Ad.* Rajkumar College, Raipur (C. P.)
- SOBHA SINGH, THE HON'BLE SIRDAR BAHADUR, O. B. E., *b.* 1890. Landlord, Contractor, Mill-owner. Is actively connected with several industrial and commercial concerns. Member, Delhi Municipal Committee 1915-86. New Delhi M. C.; Trustee, Delhi Improvement Trust; Member, Legislative Assembly 1938 and of Council of State since 1939; Chairman Punjab Chamber of Commerce, *Ad.* A-1 Queensway, New Delhi.
- SODHBANS, SIRDAR PREM SINGH, F. L. A. A. (Lond.), R. A., Lahore, *b.* 1885 at Gujra Khan, *ed* : Ramnagar and Bannu. Served in army. A. L. A. A., London 1911, and Fellow 1922. Founder-Secretary of the Central Sikh League, 1919-22; President, Lahore Dist. Gurdwara Committee, 1920-21; Vice-President and President, Lahore Congress Committee; Founder and Editor, *Indian Accountant*, since 1922; Member, Indian Chamber of Commerce, Lahore and was its Hon. Secretary upto 1928. Adviser to Indian Employers Delegate to 20th Session of the International Labour Conference, Geneva, 1936. President, Society of Registered Accounts in N. India, 1937-38 and 1942; First Indian Delegate to 5th Internatl. Congress on Accounting, Berlin 1938; member, Indian Accountancy Board (Govt. of India), 1939-42; Member, Prices Control Board, Punjab 1939-41. *Pub.* *Indian Accountant, Economic Planning of India, German Problem in Europe, India and League of Nations, Industrial Development of India, etc.* *Ad.* 89, Nisbet Road, Lahore and Commercial Buildings, The Mall, Cawnpore.
- SOMERVEILL, THEODORE HOWARD, *b.* April 16, 1890, son of W. H. Somervell of Kendal, England, *ed* : Cambridge and London. M.A., M.B., B. CH. Cambridge, F.R.C.S. England. Capt., R. A. M. C., T. F. Served in B. E. F. 1915-18. Joined Mounted Everest Expeditions 1922 and 1924, *m.* (in 1927) Margaret. *d.* of Sir James Hope Simpson. Surgeon in charge of Neyyoor Hospital, Travancore, under the London Missionary Society. Awarded Kaiser-i-Hind Medal 1929 and 1938. *Pub.* *After Everest, Knife and Life in India, etc.* Recreations : music, painting, mountaineering. *Ad.* Neyyoor, Travancore.
- SPENCE, SIR GEORGE HEMMING, M. A., C. I. E., C. S. I., I. C. S., *b.* 1888, *ed* : Oxford; joined I. C. S., 1912. Was in the Punjab service first; transferred to Govt. of India. Is now secretary, Government of India (Legislative Dept.). *Ad.* 8, Hastings Road, New Delhi.

SRINIVASAN, KASTURI, B. A., b. 1887; *ed*: Madras. Is a leading journalist of India. Managing Editor of *The Hindu*, Madras; President, All-India Newspaper Editors' Confce. *Ad.* Sabarmati, Mowbray's Road, Alwarpet, Madras.

SRIVASTAVA, SIR JWALA PRASAD, M. Sc., A. M. S. T., A. I. C., D. Sc., D. Litt., M. L. A., Member, Viceroy's Executive Council since July, 1942, *b.* 1889; *ed*: Cawnpore, Allahabad and Manchester. Is a business magnate of U. P. Was member, Legislative Council (U. P.) 1926-39; is now member, U. P. Legislative Assembly. Was Minister for Education, U. P. 1931-37, later Minister for Finance. A landlord and Rais of Basti. *Ad.* Kailas, Cawnpore.

STEPHENS, IAN MELVILLE, C.I.E., M.A., Actg. Editor and Director, the "Statesman", Calcutta. *b.* Feb. 1908, *s.* of J. A. Melville Stephens, Fleet, Hants. *ed*: Winchester and King's College, Cambridge (Foundation scholar, R. J. Smith research student; 1st. class hons. in Natural Sciences Tripos and again in Hist. Tripos, Pt. II); Supervisor in History, King's College 1925-26; Private Secy. to Sir Ernest Clark, K.C.B., 1926-28 and then to Sir Ernest Debanham, Bart., 1928-30; Deputy Director of Public Information, Govt. of India, 1930-32; Publicity Officer, Indian Franchise (Lothian) Committee, 1932; Director of Public Information, 1932-37. C.I.E. and Jubilee Medal, 1935; Coronation Medal, 1937; Joined "Statesman" as Asst. Editor, 1937; Director, "Statesman" Ltd. since 1939, and Actg. Editor, since Sept. 1942. *Ad.* The "Statesman", Calcutta.

STONE, SIR GILBERT, Kt., Bar-at-Law, b. 1886, *ed*: Cambridge and London. Practised law in London at first; became puisne judge, Madras High Court. Is now Chief Justice, Nagpur High Court. Has written on

mining law, insurance, history, pleadings, etc. *Ad.* High Court, Nagpur.

STOW, VINCENT AUBREY STEWART, M.A., C.I.E., Litt. Hum. b. 1868, *ed*: Oxford. Started life as school master; became Principal, Rajkumar College, Raipur; Principal, Mayo College, Ajmer. Has written on education. *Ad.* Mayo College, Ajmer.

SUBBARAYAN, PARAMASIVA, M.A., B.C.L., LL.D., b. 1889, *ed*: Madras and Oxford. Member, Madras Legislative Council for many years; member, A.-I. C. C. and M. L. A., Madras. Was Minister for Law Madras Govt. Is President, Board of Control for Cricket in India and connected with sports associations. *Ad.* Tiruchengodu, Salem dist., S. India.

SUBEDAR, MANU, B.A. (Bom) B.Sc. (Econ. Lond.), Barrister-at-Law, ed: Bombay and London, Dakshin Fellow of the Eipphinstone College; First Class Hons. in Public Finance, Banking and Currency, London; Barrister at-Law, Gray's Inn; James Taylor Scholar and Prizeman; London School of Economics. Lecturer in Economics, Bombay University; Professor of Economics, Calcutta University; Partner of Lalji Naranji & Co.; official adviser on technical finance to several Indian States; Vice-President Indian Merchants Chamber, 1932 and 1934; President 1935; Financial Adviser to the Chamber of Princes, 1936-39; Member, Indian Central Banking Enquiry Committee; Member, Indian Legislative Assembly, 1937. *Ad.* Kodak House, Hornby Road, Fort, Bombay.

SUHRWARDY, SIR HASSAN, Kt. Lt. Col., M.D., F.R.C.S., D.P.H., D.Sc., LL.D., K.-I.-H., Medal, b. 1884, *ed*: Dacca, Calcutta, Edinburgh, Dublin, London. Led Indian Delegation, British Empire University Congress, Edinburgh 1931; was member, Bengal Public Service Commission; Vice-Chancellor, Calcutta

- University, 1930-34 : Is now adviser to the Secretary of State for India. *Ad.* India Office, London.
- SUHRAWARDY, Sir ZAHHADUR RAHIM ZAHID**, Kt. M.A., B.L., Barr-at-Law. *b.* 1870, *ed.* : Dacca, Calcutta and London. Practised at Calcutta High Court, was later Judge. Was President, Railway Advisory Committee. *Ad.* 3, Wellesley First Lane, Calcutta.
- SUR, ATUL K.**, M.A., Editor, Calcutta Stock Exchange Official Year-Book, since its inception in 1936 ; *b.* 1904, *ed.* : Calcutta Univ. *Pub.* *Statistical Methods, Business Forecasting ; Profit Hunting in the Stock Exchange, etc. etc.*
- SURVE, DADASAHEB APPASAHEB, RAO BAHADUR.** *b.* 1903, *ed.* : Bangalore. Is Prime Minister of Kolhapur State. Was Chief Secy. to the Maharaja for a time, acted as Dewan, 1929-31 ; Appointed Dewan, 1931, Prime Minister, 1932. Attended two R. T. Conferences. President, State Council of Administration from 26.11.40. *Ad.* Premala House, Kolhapur. (Residency).
- TAGORE, ABANINDRA NATH, C.I.E.**, founder of modern Indian School of painting and a picturesque and witty writer in Bengali, *b.* 1871, *ed.* : Calcutta. Was Vice-Principal, Calcutta School of Arts. *Ad.* 5, Dwarkanath Tagore Lane, Calcutta.
- TAHMANKAR, D. V.**, London Editor of *United Press of India*, *b.* in Maharashtra, in 1905 : started journalistic career at 18. Graduating from the Bombay University joined "Kesari" (Poona) ; went to England in 1931 with Mahatma Gandhi to cover the second Round Table Conference ; served with several Select Committees as Political Secretary ; and organised "Friends of India." From 1932 till 1939 addressed over 500 public meetings throughout Great Britain and published Friends of India Society's newspaper *India Bulletin*. In 1938 visited India for a brief period and addressed the Haripura Congress on behalf of "Friends of India". Since 1941, is London Editor of the *United Press of India* and has been responsible for popularizing the U. P. I. to the British, American and Swedish Press. In 1943 appointed Special Correspondent of three leading British newspapers—*Reynolds News, News Chronicle and Evening Standard*—to report on India. *Pub.* Translation in Marathi of "*Hindu Swaraj*" by Mahatma Gandhi, *Life of Chhatra-Rangjan Das and Life of Benito Mussolini*, Present *Ad.* C/o, Barklay's Bank, 44, Russell Square, London, W. C. 1 : *Ad.* in India, C/o, *Kesari*, Poona city.
- TALCHER, KISHOR CHANDRA B. H.** Raja of, *b.* 1880, *ed.* : privately. Ascended *gadar* 1891. The *Raj* is progressive and is conducted on modern lines. There are *Uyabastha Pansads* with elected members and Compulsory education has been introduced in the State. There are numerous dispensaries, schools, etc.
- TAMBE, SHRIPAD BALWANT.** B. A., LL. B., *b.* 1875, *ed.* : Jubbulpore and Bombay. Began practising law at Amraoti ; was President, Congress Committee, Amraoti, and Vice-President, Town Municipal Committee ; Member, Legislative Council, C. P., 1917-20 ; President, 1935. Was Home Member, C. P. Govt. ; Acted as Governor, C. P. 1929 ; delegate to second R. T. Conference. *Ad.* Amraoti Road, Nagpur, C. P.
- TAN, YUN-SHAN**, Prof. and Director of the Visvabharati Cheena-Bhavana, Santiniketan ; Director to several Cultural Organization in China ; Chinese-scholar, thinker and writer ; *b.* 1900, *ed.* : China. First came to India in 1928, devoted himself to bringing China and India together through cultural intercourse. Returned to China, 1931 : initiated the Sino-Indian Cultural Society in China. 1933 : came to India second time.

and organized the Sino-Indian Cultural Society in India under Gurudeva Tagore's auspices, 1984. Returned to China same year, back to India again 1936; founded the Visva-Bharati Cheena-Bhavana, 1987. Published in Chinese :—(1) *Travels in India*, (2) *Rambles on India*, (3) *Indian Home Rule* (Trans. of Gandhiji's *Hindu Swaraj*), (4) *Saint Philosopher Gandhi*, (5) *World Calendar and Calendrical Revolution*, (6) *Poet-Saint Tagore and Sino Japanese War*, (7) *The Sympathy of Indian People towards China in her Struggle for Freedom*, etc., and numerous articles; In English :—(1) *Modern Chinese History*, (2) *Cultural Interchange between India and China*, (3) *India's Contribution to Chinese Culture and Chinese Studies in India*, (4) *My Dedication to Gurudeva Tagore*, etc. etc.

TANNAN, MOHANLAL, M. Com., Bar-at-Law, I. E. S., R. A., b. 1885, was Principal, Sydenham College of Commerce, Bombay, 1920-27; was Vice-President, Indian Econ-Soc.; Fellow, Bombay University; member Council of Indian Inst. of Bankers; sometime Genl. Manager, Punjab National Bank, Lahore; has written on banking, currency, etc. *Ad.* 1, Gold Road, Lahore.

TASKER, SIR THEODORE JAMES, C. I. E., O. B. E., I. C. S., b. 1884. *ed.*: Birmingham and Cambridge. Joined, I. C. S. 1908. Was Under-Secretary, Madras Govt.; District Magistrate, Bangalore, 1917-22; Commissioner of Coorg, 1923-26. Joined Hyderabad Service, Director General of Revenue, 1927-35. Member of State of Council 1935-42, Supervisor, I. C. S. Probationers' Training 1942. *Ad.* Dehra Dun.

THAKURDAS, SIR PURSHOTAMDAS Kt., C. I. E., J. P., b. 1879. *ed.*: Elphinstone College, Bombay; *m.* Lady Dhankore. Joined Narandas Rajaram & Co., 1902, President, East India Cotton Association Ltd.:

Chairman, Bombay Elec. Supply and Tramway Co. Ltd.; Oriental Life Assurance Co. Ltd. and various other Companies K. L. H. Medalist 1912; Member, Inchcape Committee 1922-23, Council of State 1922-23; Central Legislative Assembly 1924-30; Royal Commission on Currency and Exchange, 1926; President, Indian Merchants' Chamber thrice. President, Federation of Indian Chambers of Commerce and Industry 1928; Vice-Chairman, Banking Enquiry Committee 1930. Delegate to Indian Round Table Conference and Joint Parliamentary Committee 1932-33, Chairman of Canel of Unofficial Advisers, Indo-British Trade Negotiation 1936-38. Chairman, Economic Enquiry Committee, Bombay 1938; Chairman, Imperial Indian Citizenship Association. Director, Central Board of the Reserve Bank of India. *Ad.* Navsari Chamber, Outram Road, Fort, Bombay.

TILAK, MRS. KAMALABARI (Ukidava) b. 1905. in Poona Dist. Had a uniformly brilliant academic career; M. A. (Bomb); worked for seven years in Benares Hindu University, as Professor of English and Principal of the Women's College. Has published a book in Marathi, on the problems of Indian Womanhood and a volume of short stories in Marathi for which she was awarded the Tarkhadkar Prize of the Bombay University as the best book of the year. At present working in Baroda for the All-India Women's Conference, Baroda Branch, and writing articles, stories and books in Marathi. *Ad.* Shevantibag, Camp Road, Baroda.

TIWANA, MALIK KHIZAR HYAT KHAN, Nawabzada, Lt.-Col., O. B. E., M. L. A., (Punjab), b. 1900, *ed.*: Lahore; has seen service in Great War and third Afghan War; was President, Natl. Horse Breeding Society of India; has received several medals; was Manager Kaira Estate.

- Was Minister of Public Works, Punjab Government, from 1.4.37 to 33.12.42: appointed Premier, Punjab from 31.12.42. *Ad.* Lahore.
- TIJWANA, UMAR HYAT KHAN AL-HAJ MAJOR-GENERAL, NAWAB MALIK, SIR, G. B. E., K. C. I. E., M.V.O., A. D. C. to His Majesty.** *b.* 1874, *ed.*: Lahore. Received Hon. Commission in 18th K.G.O. Lancers. Has served in Somaliland, France, Mesopotamia, Tibet and Afghanistan, mentioned in despatches. Attended Delhi War Conference and served on Esher Committee; Attended King Edward's Coronation, Durbar and Silver Jubilee celebrations. Was member, Council of State and served on the Secy. of State for India's Council 1929-34. Is a big Zeminder of the Punjab. *Ad.* Kalra, dist. Shahpur, Punjab.
- TONK, Ruler of** (See p. 224.)
- TRAVANCORE, Ruler of** (See p. 224.)
- TRAVANCORE, MARTANDA VARMA, H. H. the Elaya Raja of,** *b.* 1922; is still a student. Is a lover of sports, horses, etc. Is Hony. Lt.-Col. H. H. Maharaja's Bodyguard. Is Chief Scout, Travancore Boys Scout Assn. *Ad.* Trivandrum, Travancore.
- TRICAMJEE, MATHOORADAS, B. A.** Mayor of Bombay, *b.* August 1894; *ed.*: Bombay University; Took to social service under Mahatma Gandhi and the Congress. For some time Treasurer and then Secretary, Bombay Prov. Congress Committee, 1920-21 and onwards. Secretary, Swaraj Sabha. Secretary and one of the Trustees, Tilak Swaraj Fund. Entered the Corporation, 1928. Resigned, 1925 owing to ill health; Member, Congress W. C. for some time, 1930. Sentenced to imprisonment twice during the Civil Dis. movement, Mayor of Bombay 1940-41, *Pub.* in Gujarati *Mahatma Gandhiji-Vichar Srsthi* the first book on Gandhiji in Gujarati, 1919, and *Marukunja*, a T. B. patient's handbook.
- TRIPURA, Ruler of** (See p. 228).
- TRIVEDI, CHANDULAL MADHAV-LAL, B.A., O.B.E., C.I.E., C.S.I., I.C.S., b.** 1893, *ed.*: Bombay & Oxford. Joined I.C.S. 1917; Served as Asst. Commissioner of C. P. Was Deputy Secy., Govt. of India, and Secy. Govt. of India Organization Committee; Commissioner, Berar 1935 and of Chattisgarh Div. 1937. Chief Secy. to C. P. Govt. (1941), Now Secretary to Govt. of India, War Department, *Ad.* New Delhi.
- TWYNAM, H. E. SIR HENRY JOSEPH, B.A., K.C.S.I., C.I.E., I.C.S., Governor of C. P. and Berar,** *b.* 1887, *ed.*: London, Manchester and Rouen. Posted as Asst. Magistrate, Bengal 1910, Secy., Employment and Labour Bureau 1919; Vice-President Cooch Behar Regency Council, Revenue and Irrigation Secy. Bengal; Commr. of Presidency and Chittagong Divs. 1933-35. Was Chief Secretary, Government of Bengal. Acted as Governor of Assam 1939. *Ad.* Governor's Camp. C. P. and Berar.
- TYABJI Mrs. KHADIJASHUFFI, M.L.A., J. P., b.** 1885, was nominated member, Bombay Corporation; was President, Bombay Presy. Moslem Ladies Educ. Conf. (Poona) 1926; was Vice-Pres., Natl. Council of Women in India, and of Social Service League. Is actively connected with several Bombay institutions. *Ad.* Oomar Mansion, Warden Road, Bombay.
- TYSON, GEOFFREY WILLIAM, b.** 1898. *ed.*: London. Was in R.N.R. Took to journalism. Was with a London News Agency first. Came out as Asst. Editor of *Capital*, Calcutta. Is now its Editor. *Pub.* *Danger in India*, and various contributions. Literaray pseudonym, *Geoffery Irwin*. *Ad.* "Capital" 7 Church Lane, Calcutta.
- USMAN, SIR MAHOMED, K. C. I. E., Member, Viceroy's Executive Council since July, 1942, b.** 1884; *ed.*: Madras. President, Corporation of Madras,

- 1924-25, Sheriff of Madras (1924) Vice-Chancellor, Univ. of Madras (1940-42). Member, Executive Council, Madras Govt. 1925-34, President, Moslem Educ. Assoc. on S. I. (1925-35) Acted as Governor, Madras 1934. *Ad.* Teynampet Gardens, Mylapore, Madras. Present *Ad.* New Delhi.
- VARADACHARIAR, SRINIVAS H.**, The Hon. Mr. Justice, Rao Bahadur, b. 1881, *ed.* : Madras ; Joined Madras High Court as Vakil, 1905. Appointed Judge, Mad. High Court, 1934. Is now Judge, Federal Court of India, Delhi. Edited Madras Law journal for a time. *Ad.* 10, Albuquerque Road, New Delhi
- VARMA, JAIKRISHNA NAGARDAS**, B. A., LL. B., (Bom), M. Sc. Econ. (Lond), Bar-at-Law, Fellow of the Royal Statistical Society, London ; Dewan, Lunawada State since 1936. b. at Broach (Gujarat) May, 1894 : m. Kunjlila nee Thakkar, December, 1924, *ed.* : Wilson College, Bombay, Middle Temple, London and School of Economics, London. Secretary, The Bombay Industrial Mills, Ltd., and the Toolsidas Tejpal Mills Ltd., Hathras (1922-28) ; Advocate, High Court, Bombay (1924-36). Part-time Professor, Sydenham College of Commerce and Economics, Bombay (1936). *Pub.* *The Constitutional Law of India and England* (in English) ; *History of the Indian National Congress*, Parts 1-2, *Mahatma Gandhi's life, Varmani Sadi Vartao and Laxmini Sadi* (in Gujarati) ; Awarded Coronation Medal, May, 1937. Title of "Rajya Vallabh" conferred. Oct. 1937. *Ad.* Lunawada (via. Godhra).
- VARMA, JYOTI NARAYAN**, M. A. (All.) F. R. E. S. (Lond), Sahitya-Ratna, Office Secretary, Marwari Association, Calcutta, b. 1909 : s. of Late Nityanand Varma, m. Surendra Devi ; *ed.* : Allahabad University. Was Lecturer in Political Science, Allahabad University (1938) and the U. P. Prov. Civil Service (1934-36). Is connected with the Marwari Association since 1938. Is author & Journalist. *Ad.* 160B, Chittaranjan Avenue, Calcutta.
- VARMA, SUKHEO PRASAD**, B.A., Bar-at-Law, Judge, Patna High Court since 1934, b. 1885, *ed.* : Muzaffarpur, Delhi ; Presidency College, Calcutta, and London. After graduation proceeded to England, called to Bar, Middle Temple, 1910 ; Joined Muzaffarpur Bar 1910 ; in 1912 moved to Patna as Lecturer in the Patna Law College, and also joined the District Bar ; transferred his practice to High Court at Patna on its establishment in 1916 ; in 1924 officiated as Asst. Govt. Advocate and in 1932 as Govt. Advocate of the Patna High Court. *Ad.* Frazer Cross Road, Patna.
- VASWANI, T. L.** Socio-religious worker, b. 1879 Served as Principal successively of Dyal Sing College, Lahore, Victoria College, Cooch Behar & Mahindra College, Patiala. His address as India's representative at the Welt-Congress (World Congress of Religions), Berlin 1909 aroused deep interest in Indian thought and religion. Resigned from Patiala 1918 to devote himself exclusively to service of God and man, founded the Mira Movement in Education, the purpose of which is to unfold the seed of new life—the life of simplicity and service, purity and prayer, set up 8 Ashramas at Raipur (Dehra Dun), Hyderabad (Sind) and Karachi, and is now engaged, abandoning all secular work, in endless quest for a direct knowledge of God. A great orator, voluminous writer and intuitive poet. *Pub.* *Temple of Freedom ; Secret of Asia ; Builders of Tomorrow ; My Motherland ; Krishna, the Saviour ; Atmajnan ; Religion and Culture ; Apostles of Freedom ; Voices ; A Pilgrim's Faith ; Sri Ramakrishna ; Voice of Aryavarta ; Spirit of Hindu Culture ; Bodhi*

- Dharma; What the Gita means to me*, etc. Some of these have been translated into different languages. *Ad. Krishta Kunj*, Karachi.
- VENKATARAMANI, K. S., M. A., B.L.,** Advocate, High Court, Madras, founder-editor, *Bharata Man*, a cultural Tamil monthly; a well known essayist in English, *b. June 10, 1891*. Founded in 1938 *Marhandeya ashram* for rural reconstruction and cultural renaissance. Toured North India extensively visiting University centres; Delivered Sayaji Rao Jubilee Memorial Lectures at Baroda. In recognition of his services to Indian literary renaissance was presented with an ivory shield and *sadra* by His Holiness Sri Sankaracharya Swamikal of Kamakoti Peeta. *Pub. Paper Boats; Murugan, the Tiller*; etc. *Ad. Svetaranya Ashrama*, Kaveripoompatnam, Tanjore Dt.
- VISWANATH, BHAGAVATULA, Rao Bahadur, C. I. E., F. I. C. (London),** Director, Imperial Agricultural Research Institute, *ed*: at Vizianagaram. Was Assistant Chemist, Agricultural Research Institute, Coimbatore; Agricultural Chemist to Government of Madras; Imperial Agricul. Chemist, I. A. R. Inst.; Joint Director, 1935 and Director since 1935. President, Indian Society of Soil Science, 1935-37. President, Agric. Section, Indian Science Congress 1937. Vice-President, Indian Society of Soil Science, and Society of Biological Chemists, India, 1938. Foundation Fellow of National Institute of Sciences, India; Indian Academy of Sciences; Indian Chemical Society. *Pub.* Several original contributions on soils and plant nutrition and on the utilization of agricultural products and wastes. *Ad. Imperial Agricultural Research Institute*, New Delhi.
- VIZIANAGRAM, MAHARAJ SIR VIJAYA**, of Benares States (U. P.), *b. 1905, ed*: Ajmer and U. K. Has travelled widely. Is an M. L. A. Was Minister, U. P. Govt., 1937. Is a renowned cricket player and captained Indian XI, which went to U. K. in 1936. The Maharaja, who is known in the sporting world as "Vizy", excels in tennis as well and holds an unbroken record. Is Liberal in politics. Is a well-known big-game hunter and has bagged more than a hundred tigers.
- WADIA, P. A. b. 1878, ed**; Bombay University, took M. A., 1900. Was Professor, Gujarat College, Ahmedabad, Deccan College, Elphinstone College and Wilson College, Hon. Prof. Wilson College, and Khalsa College from 1939. *Pub. Philosophers and the French Revolution, Zoroastrianism and our Spiritual Heritage. A History of India, Wealth of India & Money and Money Market in India*, in collaboration with G. N. Joshi, *Gandhi—a dialogue in Interpretation*. *Ad. Hormazd Villa*, Cumballa Hill, Bombay.
- WADI, SOPHIA**, Theosophist, Lecturer and writer; Founder of the P. E. N. centre. *b. 1901, ed*: Paris, New York, Columbia; edits *Indian P. E. N.*; *The Aryan Path*, Twice represented India at International P. E. N. Congresses, at Barcelona and Buenos Aires. *Pub. The Brotherhood of Religions; Preparation for Citizenship*. *Ad. Aryasangha*, 22, Narayan Dabholkar Road, Malabar Hill, Bombay.
- WAHEEDI, ABDUL JABBAR**, Editor, *Asre-Jadid* (Urdu daily), Calcutta, *b. Jan, 1905, ed*: Oriental College, Lahore; edited *Ittehad* (Patna) and *Zamana* (Calcutta); has 12 years' experience in journalism; Assistant Secretary, Calcutta District Muslim League; Author, Journalist and Speaker. *Ad. 6, Nil Madhab Sen Lane*, Calcutta.
- WALCHAND, HIRACHAND, b. 1882, ed**: Sholapur and Bombay. Is a leading business magnate of Bombay. Is a very big contractor, has constructed railway lines, bridges, power

houses, military barracks, water supplies, etc. Is interested in sugar and pipe manufacturing and agriculture. was President, Indian Merchants' Chamber; of Maharashtra Chamber of Commerce; Indian National Committee of International Chamber of Commerce; Federation of Indian Chambers of Commerce, Employers Delegate to International Labour Conference at Geneva; led Indian delegation to Congress of International Chamber of Commerce sessions at Berlin, Paris, etc. Is Chairman, the Scindia Steam Navigation Co. Ltd. and the Premier Construction Co. Ltd. Is trying to establish shipyard and manufacture shipping materials and build ships and is the founder of Hindusthan Aircraft Manfg. Co. Ltd.

WASSOODEW, KESHWRAO BAL-KRISHNA, B. A., LL. B. b. 1888, ed : Bombay, Joined Provincial Civil Service, 1907. Was Deputy Coll. : Asst. Sess. Judge, Dt. Judge; is now Puisne Judge Bombay High Court. *Ad.* 46/C, Warden Road, Malabar Hill, Bombay.

WAVEL, FIELD-MARSHAL, LORD ARCHIBALD PERCIVAL, G.C.B. 1941, K.C.B., Cr. 1939; C.B. 1935; C.M.G. 1919; P. C. (Sept. '48), M. C., Commander-in-Chief in India upto June 1943, Governor-General and Viceroy designate from October 1943. *b.* May 1883, *s.* of late Major General A. G. Wavell, *C. B. m.* 1915 Eugenie Marie, *O. C.* of late Col. Owen Quirk, *C. B., D. S. O.; one s., three d. ed.* Winchester Col; *R. M. C., Sandhurst; Staff College. Appd. the Black Watch 1901; served S. African War (medal with 4 clasps); Indian Frontier 1908 (medal with clasp). European War 1914-18; Served in France 1914-16 (wounded, M. C.) as Military Attache with Russian Army, in Caucasus, Oct 1916—June 1917 (Orders of St. Vladimir and St. Stanislas), and with Egyptian Expeditionary Force, 1917-20; B. G.*

*G. S. XX Corps 1918-19. B. G. G. S., E. E. F., 1919-20; Brevet Lieut. Col 1917; Colonel 1921; Major General 1933; Lieut. General 1938; General 1940; Commander, 6th Infantry Brigade, Aldershot 1930-4; A.D.C. to the King 1932-3; Commdr. 2nd Division, Aldershot 1935-7; Commanded Troops in Palestine and Trans-Jordan 1937-8; G. O. C.-in-C., Southern Command 1938-39; G.O.C.-in-C., and subsequently C-in-C. Middle East 1939-41, Commander-in-Chief in India July 1941-January 1942; Supreme Commander of the Allied Forces in the South-West Pacific Area, Jany.-Mar. 1942; reappointed C-in-C. in India, Mar. 1942, Knight Grand Cross of the Order of the Bath; Commander, Legion of Honour; Order of the Nile; Order of W 1 Nahda. *Pub. The Palestine Campaigns, 1928; Allenby, 1940; Generals and Generalship, 1941. Recreations: Hunting, Golf, Shooting. Club: United Service. Ad.* New Delhi.*

WAZIR HASAN, SIR SAIYID, B.A., LL.B., Kt., ed : Allahabad & Aligarh. Has practised as Advocate; was Secy. A.-I. Moslem League; helped in bringing about Hindu-Moslem unity pact of 1916; was Judicial Commissioner, Oudh; became Chief Judge, Oudh Court, 1938. *Retd.* 1934. Takes interest in political welfare of countrymen. *Ad.* Wazir Hassan Road, Lucknow.

WIJEWARDENE, DON RICHARD, B. A., Bar-at-Law, b. 1886; ed : Colombo and Cambridge. Is Chairman and Managing Director of The Associated Newspapers of Ceylon, Ltd., proprietors of *Ceylon Daily News* (English Evening and Sunday), *Dinamuna* (Sinhalese Daily), *Silumina* (Sinhalese Sunday), and *I'hinakaran* (Tamil Daily). *Ad.* Colombo Ceylon.

WIJEYWARDENE, THE HON. EDWIN ARTHUR LEWIS, b. 1887. ed : Colombo. Joined Colombo Bar.

- Was Advocate, Supreme Court; Deputy Public Trustee; Pub. Trustee; Solicitor-General and Actg. Attorney-General. Is Puisne Judge, Supreme Court, Colombo. *Ad.* "Anandagiri," Rosmead Place, Colombo.
- WILES, SIR GILBERT, M. A., K. C.** I. E., C. S. I., I. C. S., *b.* 1880, *ed*: Cambridge. Entered I. C. S., 1904; was Asst. Col. and Asst. Pol. Agent, Superintendent, Land Records; Deputy Secy., Home Dept.; Secy., Gen. Dept. and Finance Dept. Chairman, Cotton Contracts Board; Chairman, Port Trust, Bombay; Chief Secy. Govt. of Bombay. Is now Adviser to Governor of Bombay. *Ad.* The Secretariat, Bombay.
- WYLIE, SIR FRANCIS VERNER, K. C. S. I., C. I. E., I. C. S.,** formerly Governor of Central Provinces and Berar, *b.* Aug. 9, 1891, *ed*: Royal School, Dungannon and Dublin University, *m.* Kathleen Byrne 1923; I. C. S., 1914: Asst. Commissioner, Punjab. 1915; I. A. R. O., 1916-19; served in the Foreign and Political Departments of the Govt. of India in various capacities 1919-27.
- WYNNE, ROBERTSON FREDERICK, B. A., I. C. S., b. 1885: *ed*: London and Dublin. Joined I. C. S. Was Settlement Officer; Secy., Board of Revenue; Commr., 1930-37, Ret. 1937. Is Chairman, Public Service Commission, Bengal, *Ad.* 4, Alipur Park Road, Calcutta.**
- YAMIN KHAN, SIR MOHAMMED, B. A., C. I. E., M. L. A.,** Bar-at-Law, *b.* 1888, *ed*: Meerut, Aligarh and London. Joined Meerut Bar 1914; was member of Meerut Municipal Board; later Vice-Chairman and Chairman 1916-33. During the last war was Secy. to U. P. Special War Fund, District War League, Soldiers Comforts Committee, etc. Member, Court and Executive Council of Muslim Univ., Aligarh. Has been Member, Central Assembly 1920-23, again since 1926. Was Member, Council of State 1924-5. In the Assembly was Leader of United India Party 1931-4 and of Democratic Party 1937-8, Member, Statutory Rly. Board and Reserve Bank Committees of the Jt. Parliamentary Comtee. in London 1933. Non-official Visitor to Andaman Island 1936. Member, Aliens' Advisory Comtee. 1940-41. Recipient of Silver Jubilee and Coronation Medals. C. I. E. in 1931. Knighthood in 1936. *Ad.* Kothi Junnath Nishan, Meerut.
- YUSUF, SIR MOHAMUD ISMAIL, Kt.,** has founded Ismail College (Bombay), Marine College, Seamen's Orphanage, several schools and charities. Is Hon. Mag., Novha Island. A big landholder in Bombay. Was one time director, Bombay Steam Navigation Co. *Ad.* Novha House, Queen's Road, Bombay.
- ZAFAR ALI, SIR MIRZA, KHAN BAHADUR, Kt., B.A., LL.B., b. 1870, *ed*: Lahore. Joined Govt. service 1893 and served in several capacities. Was Dt. and Sessions Judge; appointed Judge, Lahore High Court 1920. Retd. 1930. *Ad.* 5, Davies Road, Lahore.**
- ZAFRULLA KHAN, CHAUDHURI SIR MUHAMMAD, THE HON. JUSTICE, B. A., LL. B.,** Bar-at-Law, K. C. S. I., Judge, Federal Court of India *b.* 1893, *ed*: Lahore and Lond. Joined Sialkot Bar; later, Lahore High Court, 1916-36. Was member, Legis. Council, Punjab 1926-35; was law lecturer, Univ. Law College, Lahore; delegate to all R. T. Conferences; Delegate to Joint Select Committee of Parliament on Indian Reforms, 1933; President, All-India Moslem League, 1931. Member, Viceroy's Executive Council, 1932; Law Member, 1939. *Pub. Indian Cases*, etc. *Ad.* 8, York Road, New Delhi.
- ZAIDI, BASHIR HUSSAIN, SYED, C. I. E., B. A.,** Bar-at-Law, *b.* 1898, *ed*: Delhi, Cambridge and London.

- Entered Rampur State Service, 1930; became Judge, State High Court; was Pol. Minister and tempy. Chief Minister, 1933. Became Chief Minister, 1936. Attended R. T. Conf. 1932. *Ad.* Rampur, (U. P.)
- ZUBERI, ITRAT-HUSAIN, M. A., Ph. D. (Edinburgh), Principal, Islamia College, Calcutta; First Indian to be awarded a Research scholarship in English, Edinburgh University; *b.* June 8, 1909; *s.* of Late Mohd. Jan Elahi; *m.* Dora Keats, of Edinburgh; *ed.* St. Johns' College, Agra and Edinburgh University; senior Research Scholar English, Edinburgh University. Was Reader in English, Muslim University, Aligarh & Senior Professor of English in Bengal Senior Educational Service. *Pub:* *John Donne* (S. P. C. K. London 1938) & *The Metaphysical Poets of the 17th Century* (Oliver & Boyd Edin. 1943.) *Ad.* 8, Wellesley Street, Calcutta.

THE END

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YARN OF EVERY DESCRIPTION.

—CONTROLS NEARLY 99% OF THE TOTAL
EXPORT AND IMPORT OF YARN IN BENGAL.
ITS MEMBERSHIP IS 200.

—BESIDES ITS ACTIVITIES IN THE FIELD OF
TRADE, COMMERCE AND INDUSTRY, IT HAS
AN EXCELLENT RECORD IN 'RELIEF' WORK
IN TIMES OF NEED.

Office-bearers for the current year (1943-44)

President : Mr. Chhagan Lall Laddabhai

Hony. Secretary : Mr. Hari Krishna Jhajharia

*The Association is recognised by the Bengal Government for matters
pertaining to the trade and manufacture of yarn.*

